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OBJECTIVE

A position in the Civil Engineering field with a focus on Structural Design and Analysis

EDUCATION

Worcester Polytechnic Institute, Worcester, MA
Bachelor of Science Expected Graduation: May, 2006 GPA 3.92

RELATED COURSEWORK

Surveying	Materials of Construction (Spring, 2006)
Design of Steel Structures	Advanced Design of Steel Structures
Design of Reinforced Concrete Structures	Prestressed Concrete (Spring, 2006)
Urban & Environmental Planning	Structural Engineering
Environmental Analysis	Land Use Development & Controls (Spring, 2006)

PROJECTS

Senior Major Qualifying Project (MQP), August 2005-March 2006

Correctional Facility Design & Analysis

Working in a team of four students to develop a layout that would be suitable for today's demands of correctional facilities. With a proposed layout, a preliminary structural system will be developed with steel and concrete. Various alternatives will be examined and designed for the layout. A cost estimate will be conducted to determine the most economically feasible design. Based on cost and constructability, the most effective and efficient design will be proposed. (3 course equivalent)

EXPERIENCE

Atlas Box & Crating, Sutton, MA, May 2003-present (Summers & part-time)

Senior Laboratory Technician, December, 2004-present

Oversee International Safe Transit Association (ISTA) Certified Test Laboratory. Collaborate with customers in scheduling and performing the required tests. Promote the lab and work to improve its appearance and equipment. Worked with a Lansmont Test Equipment representative to create a seminar to invite present and prospective customers to attend in promoting the importance of package design and testing

Technician & Engineering, Fall, 2003

Produced CAD drawings and engineering change orders of existing drawings using AutoCAD 2004, ArtiosCAD 7.0, and SolidWorks 5.0. Worked on simple designs. Attended SolidWorks Training (Summer, 2005)

Sample Room Operator, Spring, 2003

Operated the sample room, producing prototype designs and small production orders. Promoted after four months into the Engineering Office

ACTIVITIES AND AWARDS

Chi Epsilon (CEE Honor Society), 2004-present

Inducted into Tau Beta Pi, 2005-present

Frank D. DeFalco Award recipient in 2005, recognized as an outstanding civil student

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Keyla L. Arnal

- Objective** Seeking a full-time position in Civil Engineering with a focus in construction management or sales of engineering products.
- Education** **Worcester Polytechnic Institute, Worcester, MA**
Bachelors of Science in Civil Engineering with a focus on Construction Management, May 2006
Related Coursework:
Cost Estimation, Project Control, and Scheduling Materials of Construction
Legal Aspects in Design and Construction Environmental Analysis
Construction Project Management Fluid Mechanics
Urban and Environmental Planning Hydraulics
- Computer Skills** **Applications: Photoshop, 3D Max Studio, AutoCAD, Primavera**
Projects **Senior Major Qualifying Project, Worcester Courthouse, Worcester, MA**
Aug. 2005 – Feb. 2006
Examined courthouse construction and project organization. Evaluated cost projections versus actual project expenditures and determined time delays. Examined roof design for quality and possible use of excess material.
- Junior Interactive Qualifying Project, Boston Museum of Science, Boston, MA**
May – June 2005
Worked on a team of four students and assessed different citizen science programs in the New England area to assist and improve the citizen science program of the museum. Made recommendations to the head coordinator of the citizen science program to improve the program and increase volunteer participation in the citizen science program.
- Work Experience** **Intern, Audre Lord Project, Brooklyn, NY (Summer 2002)**
Worked for community wellness and progressive social justice. Attended workshops to increase leadership and community organizing skills.
- Waitress, Boston Billiard Club, Worcester, MA (2003 – 2004)**
Increased sales by 12%.
- Honors & Awards**
- Machine Engineering Award, 2002
 - Woman of Distinction Award
 - USAA National Collegiate Natural Sciences Award
 - USAA National Collegiate Engineering Award
 - USAA National Collegiate Computer Science Award
 - Collegiate All American Scholar Program
 - Deans List

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OBJECTIVE

To obtain a professional position in Civil Engineering with a focus on Structural Engineering.

EDUCATION

Worcester Polytechnic Institute, Worcester, MA
Bachelor of Sciences: Civil and Environmental, Expected Graduation May 2006
Master of Sciences: Structural Engineering, December 2006

RELATED COURSES WORK

Soil Mechanic, Reinforcement Concrete, Steel, Wood Design, Foundations, and Auto CAD, Highway Engineering, Construction Project Management, Finite Element Method, Advanced Steel Design, Fire Protection Engineering, And Pre-stressed Concrete Design.

ACADEMIC PROJECTS

1. Major Qualifying Project (3 courses equivalent) August-March 2006
Worcester Polytechnic Institute, Bartlett Admissions Building: Redesigning the attic area in the new building so that it may be used for storage or possible classroom or office space. In order to utilize this space, we examined all of the following:
 - Analyzing existing area such as structural strength to determine if it can support more static/live loads as it exists.
 - Redesign of the floor (currently just a vapor barrier)
 - Redesign the ceiling (no insulation as is)
 - Safety requirements: sprinkler system, fire suppression
 - Designing a second access point (new staircase)
 - Extending elevator to third floor (for classroom space)
 - Designing interior wall system (insulation, windows, utilities)
2. Reinforced Concrete Term Project: October-December 2005
Designed successfully the gravity and lateral systems of a 3-story office building located in Boston. Designed slabs, beams, girders and columns. Made drawings to show building plan, elevation and sections. Calculated wind, earthquake and gravity loads, by ASCE standards and Canadian Code 1995.
3. Steel Structure Term Project: October - December 2005
Calibrated with a partner to design a 30-story structural steel building in Boston, Massachusetts. Used composite slabs with beam slab interaction for the flooring system. Preliminary column design using specification in the LRFD Manual for both the braced and moment resisting frames. Applied preliminary girder and column sizes to Heidebrecht's and Bryan Stafford Smith's equation and calculated the initial building deflections. Analyzed the building using McNamara's, LeMessurier's, and Scrivener's technique. Calculated the member forces and deflections by putting the initial sizes into SAP 2000 and MASTAN 2, which was used to analyze the moment resisting frame in both directions while SAP 2000 was used to analyze the braced frame. Gravity and lateral loads considered in the analysis. Output data for the analyses was used for final design of columns, girders, braces, and connections.
4. Interactive Qualifying Project (IQP, 3- course equivalent) August 25th 04- March 2005
"Drinking Water Problems in Egypt and the Sudan" Collaborative project to analyze the water problem in Egypt and the Sudan. Researched possible causes through scientific literature and suggested possible solutions to the problem.

SKILLS

Languages: English (fluent) and Arabic (native)
Computer: MASTAN 2; FRAME Program; Microsoft Office (Word, PowerPoint, Excel)

CAROL RIMA BASMAJI

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EDUCATION

Worcester Polytechnic Institute, Worcester, MA (Expected date of graduation is May 2006)
Bachelor of Science in Civil Engineering, GPA 3.7

PROJECTS

Major Qualifying Project

Currently working on a steel bridge design to be used for the implementation of piezoelectric fibers. Piezoelectric fibers create energy when vibrated and attaching them in specific ways to bridges can allow for the capture and conversion of electric current from the vibrations caused by traffic movement. Project will be completed in March 2006.

Interactive Qualifying Project

Worked with a team of two others for the Office of Procurement in Montgomery County, MD to document the County's solicitation process. Documentation in the form of flowcharts and computer-readable XML was presented. In addition, performance metrics were recommended to the Office.

WORK EXPERIENCE

Jarvis Land Survey, Inc. October 2005-Present

Create Land and Condominium survey plans using a division of AutoCAD 2004 called Carlson survey.

Camp Dresser & McKee (CDM), May 2005 – August 2005

Worked with Project Managers during all phases of construction to procure goods/services, arrange contracts, and carry out construction. Duties included-arranging for material to be procured, bought and delivered to job site, reviewing and entering submittal information into a program called Expedition, and aiding to put together estimates for multi-million dollar public sector bids.

Residential Advisor, WPI, March 2003 - Present

2004-2005 school year, 2004 summer school, and the upcoming 2005-2006 school year at WPI. Responsibilities include leadership (in form of conducting activities and following school guidelines) of designated student living area, management of students, and providing positive influencing activities.

Commerce Bank & Trust, Worcester, MA June 2003 – June 2005

Personnel Banker

Promoted to Supervisor August 12, 2004

Handled high volume of cash exchanges. Provided customer interaction and satisfaction. Sold bank products and services.

Coghlin Electrical Contractors, Worcester, MA September 1999 – January 2003

President's assistant, engineer's assistant, human resources, payroll, reception, accounts payable
Responsibilities: Started as a receptionist but eventually became president's assistant and aided in formatting meeting outlines, creating safety packets, assisting in payroll, and solely functioning the accounts payable department. Also, worked on tasks for electrical and telecommunications engineers.

COMPUTER SKILLS

Experience with: Microsoft Office, Microsoft Visio, Maple, AutoCAD 2004, Carlson Survey, Rivet, RISA-2D, MASTAN2, and Expedition

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OBJECTIVE

To begin a career in the area of Civil Engineering and/or Project Management.

EDUCATION

Worcester Polytechnic Institute Worcester, MA

B.S. in Civil Engineering, minor in Spanish Expected Graduation May 2006

RELEVANT COURSES

Structural Design, Computer Aided Drafting, Surveying, Construction Project Management, Environmental Engineering and Hydraulics, Transportation Engineering, Pavement Materials, Urban and Environmental Design, Land Use and Development, Material Science, Hydrology, Environmental Analysis, Asphalt Technology

PROJECTS

Major Qualifying Project in Worcester, MA (equivalent to 3 courses) 9/2005-3/2006

Team of 4 students, working with Gilbane Construction Co. on the Worcester Trial Courthouse.

Main objective is to follow the progress of the project, parallel to Gilbane. Also will include a new design portion, originally created by the students.

Interactive Qualifying Project in San Juan, Puerto Rico (equivalent to 3 courses) 1/2005-5/2005

Team of 4 students, working with the Highway and Transportation Authority of Puerto Rico.

Redesigned a Bus route through Trujillo Alto, PR so it links to the newly installed train system.

Took into account all economic and social aspects of the route, designed it to ease traffic congestion on route 181.

EMPLOYMENT

Warehouse Clerk at Stamford Winair Co., Stamford, CT, summers 1999-2005

Conducted inventory, assisted customers with orders, assisted with customer relations, stocked shelves, emptied and packed delivery trucks

Volunteered at Veterans Affairs Hospital, West Haven, CT, summers 1997-2001

Worked in many different departments, including building and construction engineering departments.

Observed professional engineers and exposed to CAD systems. Worked with patient advocacy and patient escort. Totaled 250 hours.

TECH/COMPUTER SKILLS

Microsoft Word, Excel, PowerPoint, AutoCAD 2002, CADkey97, Primavera, Revit

ACTIVITIES AND CREDENTIALS

- WPI Ice hockey team, 2004, 2005
- Member of Sigma Phi Epsilon Fraternity Massachusetts Beta Chapter, 2002-present
- Balanced Man Award Finalist Sigma Phi Epsilon Fraternity, 2002

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OBJECTIVE

A job in the civil engineering industry, primarily in the materials of construction field.

EDUCATION

Worcester Polytechnic Institute, Worcester, MA
Bachelor of Science in Civil Engineering, Expected May 2006

RELATED COURSE WORK

Structural Engineering	Materials of Construction	Fluid Dynamics
Design of Steel Structures	Design of Reinforced Concrete	Surveying
Project Management	Static Systems	Transportation Engineering
Foundation Engineering	Dynamic Systems	Urban & Environmental Planning

PROJECTS

Senior Major Qualifying Project (MQP) An investigation of the use of piezoelectric fibers and strain gauges in health monitoring of concrete bridges.

Junior Interactive Qualifying Project (IQP) An investigation of the major threats to humanity including Near Earth Objects (NEOs). Includes a proposed plan to divert future earth threatening NEOs

PROFESSIONAL ORGANIZATIONS

American Society of Civil Engineers, September 2004 – May 2005
Women's Industry Networking, September 2004 – Present

COMPUTER SKILLS

Primavera Project Planner, Revit, MS Office, Word Processing, AutoCAD, MATLAB, MS Excel

PROFESSIONAL WORK

University of New Hampshire, Durham, NH June 2005 – August 2005
Undergraduate Research Assistant

- Fabricated asphalt pavement samples and performed strength tests
- Analyzed data from strength tests
- Assisted with on-site permeability tests

Concord Family YMCA, Concord, NH May 2004 – August 2004
Webmaster

- Updated the company webpage with current program dates
- Provided a useful source of information to the public regarding fitness classes, dates, and times

Lanctot's Grocers, Weare, NH May 2004 – August 2004
Deli Counter Attendant

- Received orders from customers
- Communicated with managers regarding supply orders
- Trained newly hired employees
- Organized the deli work area to provide easy access to frequently used tools and equipment

KORI BRYANT

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OBJECTIVE

To obtain an entry-level position in Civil Engineering with a focus on environmental engineering. Primary areas of interest include hydrology, water supply, and wastewater treatment.

EDUCATION

Bachelor of Science in Civil Engineering (Expected Graduation May 2006)
Worcester Polytechnic Institute, Worcester, MA

PROJECT EXPERIENCE

Interactive Qualifying Project: "Waste Water Management"

In many communities, domestic wastewater is currently collected, treated, and discharged in great quantities. This project explored the feasibility of reusing wastewater, including acceptable uses, current legislation, needed technology, and social hurdles.

Major Qualifying Project: "Grey Water Irrigation"

This project evaluates using treated wastewater as the primary source of water for a golf course irrigation system in Massachusetts. This project includes the design of an irrigation system capable of accommodating the new water source and addresses all environment concerns.

RELEVANT COURSES

Analytical Mechanics I and II	Surveying	Environmental Engineering
Structural Engineering	AutoCAD	Water Treatment
Soil Mechanics	Hydraulics	Hydrology
Intro. to Pavement Materials	Thermodynamics	Waste Water Treatment
Environmental Eng. Lab	Fluid Mechanics	Intro. to Dynamic Systems

EMPLOYMENT

Bryant Irrigation, Lead Foreman, Barre, MA March 2003 – Current

Supervise crews on irrigation and landscape construction projects including night lighting, waterfalls, brick walks and patios, and plantings. Design, installation, maintenance and repairs of residential and commercial irrigation and night lighting systems.

Quabbin Regional High School, Basketball Coach, Barre, MA 04' – 05' and 05' – 06' Seasons

Coach of freshman girls' team, assistant coach of varsity girls' team.

Rutland Nurseries, Rutland, MA

Summer 2001 and 2002

Installation, maintenance and repair of commercial and residential irrigation and night lighting systems.

COMPUTER SKILLS

AUTOCAD, MS Office (Word, Excel, PowerPoint)

PROFESSIONAL MEMBERSHIP

ASCE Student Member, NEWEA Student Member

PATRICK D. CAMPAGNOLA

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OBJECTIVE

To obtain an entry level position as a project engineer within the field of construction project management.

EDUCATION

Auburn High School, Auburn, NY
Graduated with honors and regents diploma (June 2002)

Worcester Polytechnic Institute, Worcester, MA
Anticipated B.S. in Civil Engineering with concentrations in Construction Project Management and Structural Design (Expected Graduation May 2006)

RELEVANT COURSES & SKILLS

Analytical Mechanics	Legal Aspects in Const .	Microsoft Office
Pre-stressed Concrete	Reinforced Concrete	Primavera
Const. Project Management	Materials of Const.	Auto CAD
Wood Structure Design	Arch. Eng. Systems	Surveying

EXPERIENCE

Major Qualifying Project (Worcester, MA): In Progress
Working with Gilbane Building Co. in the various aspects of construction management for the Worcester Trial Courthouse. Calculating earned-value analysis and constructive review of a foundation wall.

Interactive Qualifying Project (Washington, DC): 9/04 – 12/04
Worked for the U.S. Consumer Product Safety Commission. Researched and wrote a report concerning methods to effectively improve fire safety in college housing.

ACTIVITIES

Student Government Association
Motorsports Club Treasurer
Phi Kappa Theta Fraternity
Varsity Wrestling Team

WORK EXPERIENCE

WPI Student Activities Office (Worcester, MA): 1/05 – Present: Assist in the planning and operation of student activities and community service

CVS Pharmacy (Shrewsbury, MA): 9/04 – Present: Certified Pharmacy Technician
EMCom, Inc (Auburn, NY): 5/03-8/04: Worked in warehouse with organizing shipping and receiving tasks

CRYSTAL CHALAPATAS

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OBJECTIVE

Entry-level position in the civil and environmental engineering field.

EDUCATION

Worcester Polytechnic Institute, Worcester, MA
Bachelor of Science, Civil Engineering, May 2006, GPA: 3.91

RELATED COURSES

Environmental Engineering	Fluid Mechanics
Environmental Engineering Laboratory	Hydraulics
Water Treatment	Hydrology
Wastewater Treatment	Soil Mechanics

PROJECTS

Major Qualifying Project, "Reclaimed Water Pretreatment Design." WPI (Fall 2005–Spring 2006)

- Designed treatment system for using reclaimed water for golf course irrigation
- Researched water conservation, reclaimed water regulations, and treatment processes
- Tested wastewater quality in laboratory
- Designed system components to provide high quality water for irrigation

Interdisciplinary Qualifying Project, "System Dynamics in Sterling, MA." WPI (Summer 2005)

- Researched system dynamics, urban dynamics, and city sustainability
- Analyzed political structure, finances, and budgeting processes in Sterling, MA to create a system dynamics model
- Provided recommendations for Sterling using model to implement urban dynamics and city sustainability concepts

SKILLS

AutoCAD, ProEngineer, MSWord, MSEXcel, MSPowerpoint

ACTIVITIES

Tau Beta Pi National Engineering Honor Society, Chi Epsilon Civil Engineering Honor Society, New England Water Environment Association, American Water Works Association, Society of Martial Artists, Westminster Storm Water Management Committee, Women's Industry Network

EMPLOYMENT

Private Tutor, Secondary and College Level, Northern Worcester County, MA (Sept. 2001–Present)

- Instruct students in chemistry, biology, physics, and math

Tutor, Mount Wachusett Community College, Gardner, MA (Fall 2003, Fall 2004)

- Instructed college students in chemistry, biology, and math

Retail Associate, Vincent's Country Store, Westminster, MA (Summer 2004)

- Baker and cashier

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OBJECTIVE:

Entry-level opportunity in Civil Engineering with a focus in Construction Project Management (starting July 06)

EDUCATION:

Worcester Polytechnic Institute, Worcester, Massachusetts June, 2006

Master of Science, Civil Engineering, GPA: 3.6/4.0

Relevant Courses: • Advanced Project Management • Advanced Cost Estimating • Real Estate Development • Constructed Facilities Seminar • Engineering and Construction Information System • Financial Accounting • Integration of Design and Construction • Contracts and Law for Civil Engineers • Organizational Behavior

Worcester State College, Worcester, Massachusetts December, 2003

Bachelor of Science, Computer Science, GPA: 3.0/4.0

Relevant Courses: • Technical Writing • Operating System • Database Application • Database Design
• Software Engineering • Client Server Computing Using Internet • Design User Friendly Interface

Higher Institute of Technology, Phnom Penh, Cambodia December, 1999

Diploma University of Technology, Civil Engineering, GPA: 3.4/4.0

Relevant Courses: • Structural Analysis • Building Materials • Construction Technology • Soil Mechanics
• Surveying • Reinforced Concrete • Prestressed Concrete • Wood Construction • Strength of Materials

ACADEMIC PROJECT:

Student Intern, Construction of Warehouse, Phnom Penh, Cambodia

February, 1999-June, 1999

Assisted the Project Engineer in producing the construction drawing and worked with the Subcontractor. Responsibility included verifying the blueprints and actual work on the construction site and producing test models of various types of concrete.

Student Intern, Construction of Thai Embassy, Phnom Penh, Cambodia

May, 1998-August, 1998

A 12-week-2 person team project to examine the construction technology of the construction site. Learned the effective methods to prepare the mass-reinforced concrete in the substructure and analyzed the safety strategy for the building site.

EXPERIENCE:**Lab Technician (Help Desk)**

August, 2002-January, 2005

Worcester State College, Information Technology Department, Worcester, MA

Experience in troubleshooting PC problems, setting up computer networking and virus protection.

Instruct the users on how to utilize technology within a variety of computer software.

Proficient in providing PC technical support to the faculty, staff and students.

Write weekly progress report over hardware/software problems to supervisor.

Construction Superintendent

January, 1998-January, 2000

Construction Firms--Family Owned Business, Phnom Penh, Cambodia

Performed construction jobs including the reading and review of blueprints, site supervision, working with contractors and owners.

Worked with the owner on various project that included doing take offs, soliciting bids, delivering bids and assisting the project manager or owner in developing construction schedules.

Managed all assigned schedule payments to team members, subcontractors and vendors.

Assisted the owner or project manager to evaluate various construction methods and determine the most cost-effective plan and schedule.

Responsible for coordinating production processes, material and quality control of the project.

Managed the cost payment by collecting all assigned schedule payments and change order payments.

PROFESSIONAL MEMBERSHIP:

American Society of Civil Engineers (ASCE) • Associated General Contractors of America (AGC)

COMPUTER SKILLS:

Software: AutoCAD, PRIMAVERA, Microsoft Project, Microsoft Office, Microsoft Visual Studio, Symantec GHOST, PC Inspector File Recovery. Familiarity with PROLOG, TIMBERLINE, and Autodesk Revit Building.

Languages: JAVA, C, C++, HTML and SQL.

Operating Systems: Windows 2000, Windows XP, UNIX and Linux.

GREG CHANDONNET

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Objective A position in Civil and Environmental Engineering which requires responsibility and utilizes my education and experiences.

Education Bachelor of Science in Civil & Environmental Engineering (May 2006)
Worcester Polytechnic Institute, Worcester, Massachusetts

University of Massachusetts Dartmouth, North Dartmouth, MA
Civil Engineering, (2003 - 2004)

Project Experience

Interdisciplinary Qualifying Project: "The Evolution of Shopping Convenience in Venice"

This project examined the evolution of Venetian shops and the decline of residential comfort by exploring the impact of economic change and transformation over time. *Venice, Italy*. June - July 2004.

Major Qualifying Project: "Grey Water Irrigation"

This project evaluates using treated wastewater as the primary source of water for a golf course irrigation system in Massachusetts. This project includes the design of an irrigation system capable of accommodating the new water source and addresses all environment concerns.

Relevant Courses

- Ethics and Professionalism
- Hydrology
- Environmental Engineering
- Surveying
- Environmental Analysis
- Cost Estimating / Analysis
- Water Treatment
- Waste Water Treatment
- Hydraulics

Technical Skills • AutoCAD • GIS experience • MS Office (PowerPoint, Excel, Word)

Honors

- Emerging Leaders Participant (2003 - 2004)
- Class 2006 Student Senate Representative (2003 - 2004)
- Antonio Zottoli Scholarship (2004 - 2006)

Employment

Rutland Department of Public Works, Rutland MA May - September 2005 June - September 2003
Coordinated teams of lawn mowers. Assisted in the construction of a temporary water main system and sewer system.

Northern Estates Construction, Rutland MA May - July 2003
Worked on a team to set-up and pour concrete house foundations. Gain knowledge of managing a contracting business.

Amherst-Oakham Auto Recycling Center, Oakham MA March 2001 - September 2002
Supervisor responsible for overseeing inventory and training of new employees.

Professional Organizations

• American Society of Civil Engineers • Boston Society of Civil Engineers • NEWWA

MATTHEW E. CICHON

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OBJECTIVE To obtain an entry-level position in the construction industry.

EDUCATION **Worcester Polytechnic Institute, Worcester, MA**
Bachelor of Science in Civil Engineering, Expected Graduation May 2006
Overall GPA- 3.0

Moses Brown School, Providence, RI
High School Diploma, 2002

RELATED COURSES

Construction Project Management	Contract and Law for Civil Engineers
Cost Estimating	Land Use Development and Controls
Architectural Engineering Systems	Surveying
Materials of Construction	Intro to AutoCAD
Advanced Project Management	Soil Mechanics

WORK EXPERIENCE **Gilbane Building Company Summer 2005 Providence, RI**
Worked as a summer intern for the Narragansett Bay Commission's Combined Sewer Overflow tunnel project. Earned OSHA 10-Hour Training License.

PARE Engineering Corporation Summer 2004 Lincoln, RI
Worked as a summer intern in the Civil Engineering Department.

PROJECT EXPERIENCE **Major Qualifying Project 2005 – 2006 Worcester, MA**
Currently tracking the progress of construction and project management activities for the new Hilton Garden Inn being built in downtown Worcester.

Interactive Qualifying Project Spring 2005 Boston, MA
Worked for the Transportation Department of the Town of Brookline, MA.

LEADERSHIP AND ACTIVITIES **Alpha Tau Omega Fraternity (2002 - Present)**
House Steward (2003-2004)
House Academic Advisor (2004-Present)

WPI Men's Varsity Soccer Team (2002 - Present)
Team Goalkeeper

American Society of Civil Engineers (2004 - Present)

Associated General Contractors of America (2004 - Present)

COMPUTER EXPERIENCE Microsoft Word, Excel, PowerPoint,
AutoCAD, AutoDesk Revit, ArcGIS, Prolog Manager

VOLUNTEER EXPERIENCE Jumpathon for the WhyMe Foundation (2004-2005)
Newton Hill Service Event Cleanup (2003-2005)

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OBJECTIVE

To obtain an entry level position in a Civil Engineering Company and Construction Project Management

EDUCATION

Worcester Polytechnic Institute, Worcester, MA
Bachelor of Science, Civil Engineering Expected Graduation: May 2006

RELATED COURSEWORK

Analytical Mechanics I & II, Materials of Construction, Analysis and Design, Structural Engineering, Surveying, Fluid Mechanics, Fundamentals of Auto Cad, Soil Mechanics, Thermodynamics, Traffic & Highway Engineering, Urban and Environmental Planning, Design of Reinforced Concrete Structures, Design of Steel Structures, Advanced Design of Steel Structures, Integration of Construction and Design, Project Management

EXPERIENCE

Turner Construction Company, Boston, MA, Field Engineer Summer 2005

- Ran control on construction site
- Provided line and grade for concrete
- Document Control

Glenn Ellen Country Club, Millis, MA, Maintenance Supervisor 1999-2005

- Supervised twenty five employees to maintain/repair golf course, recreation facilities, and function halls
- Built fence for surrounding the pool
- Rebuilt terrace deck
- Tore down and rebuilt gutter system on property

COMPUTER SKILLS

Applications: Fundamentals of Auto Cad; Microsoft Office

PROJECTS

Interactive Qualifying Project, Cambridge

Pedestrian Safety at Double Threat Crossings Spring 2005

- Worked in a group of 4 to examine pedestrian safety at mid-block double-threat crosswalks and create a re-usable data collection protocol.
- Collected yielding data at specific locations in Cambridge through the use of our data collection protocol.
- The data was analyzed to relate yielding rate to the 85th percentile speed, pedestrian crossing volumes and acceptable vehicle gaps.
- Proposed a method for solving for the yield rate at any particular crosswalk.
- Presenting results to the Transportation Research Board in Washington, D.C in 2006.

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College Address

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OBJECTIVE

To obtain a position facilitating me to capitalize on the acquired educational knowledge and skills developed from prior experiences providing my employer with a future of hard work and prosperity

EDUCATION

Worcester Polytechnic Institute Worcester, Massachusetts

B. S. Degree in Civil concentration in Structural Engineering expected graduation May 2006

RELEVANT COURSES

Hydraulics, Construction Project Management, Arch. Engineering Systems, Fluid Mechanics, Heat Transfer, Structural Engineering, Design of Steel and Concrete Structure, Materials of Construction, Soil Mechanics, Intro to thermodynamics

COMPUTER SKILLS

Windows 98, XP, 2000 Professional, Microsoft Word, Microsoft Excel, Microsoft PowerPoint, Stran4, Primavera, Pro E, Auto Cad

PROFESSIONAL EXPERIENCE

Deck Engineering, Madison, Maine

5/03–Present

Civil Engineering Internship - Participated in steel and wood structural design along with construction
Surveyed several sub-developments including topographical surveying and road development
Runoff and erosion control, including developing drainage systems

Three River Whitewater, The Forks, Maine

5/02–Present

Certified Maine Whitewater Rafting guide - Trip Leader in charge of boat safety
Guiding tourists safely through class V rapids. Communication and entertainment skills

American Ski Company, Sugarloaf, Maine

Perfect Turn Instructor - Instructor in charge of daily clinics and private clinics. Learning environment encouraging kids ages 7-14 to become independent skiers

Madison Summer Recreation Program, Madison, Maine

6/99 – 7/02

Head Camp Counselor and Counselor - Supervisor in charge of all counselors and children grades kindergarten to 8th. Coordination of activities and buses

EXTRACURRICULAR ACTIVITIES

Fraternity of Phi Gamma Delta, Worcester, Massachusetts

Rush Chairman, Social Chairman (In charge of budgeting and facilitating functions) **03-06**

Sports

Lacrosse, Intramural-Basketball, Football, Softball, Hockey, Volleyball

Philanthropy

Tutoring Worcester youth, American Red Cross Blood Drive, Walk for Diabetes, Bowl a Thon for Cancer Patients

KERRY K. DOYLE

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OBJECTIVE A full-time position at a civil engineering firm.

EDUCATION

Worcester Polytechnic Institute, Worcester, MA
Bachelor of Science, Civil Engineering Expected graduation: May 2006

Timberlane Regional High School – Graduated May 2002 Magna cum laude, 9th in class

PROJECTS

Sufficiency (20 page research paper) - Modernism & Scandinavian Architecture
IQP (Interactive Qualifying project) – Architecture on Campus
MQP (Major-Qualifying project) – completed by March 2006 – Temporary Housing for Tsunami Victims

RELEVANT COURSEWORK

Topics in 19th/20th Century Architecture, Sources of Modern Architecture and Design, Introduction to Analysis and Design, Design of Wood Structures, Introduction to Transportation Engineering, Design of Reinforced Concrete Structures, Materials of Construction, Design of Steel Structures, Analytical Mechanics
Mechanics of Materials, Fluid Mechanics, Surveying, AutoCAD, Construction Project Management

RELATED EXPERIENCE

Oct. 2004 – Aug. 2005

Engineering Aide, Bergman & Associates Inc., Haverhill, MA

- Contributed on projects as required using AutoCAD.
- Scope of work included: residential layouts, elevation plans, framing plans, site plans, and septic design and layouts
- Performed site visits and assisted in surveying.

OTHER WORK EXPERIENCE:

Sept. 2002-Present

Telemarketer, Worcester Polytechnic Institute (Alumni Relations Office), Worcester, MA

- Contacted alumni/parents and solicited donations to the College.
- Responsible for providing details and statistics on WPI and its program.
- Completed proper documentation for all calls.

May 2003 – Aug. 2004

Assistant Office Manager, Stateline Supply Plumbing & Heating, Seabrook, NH

- Managed accounts payable and accounts receivable.
- Developed and maintained customer database information.
- Responsible for all cash sales.

Sept. 2001-Dec. 2002 Waitstaff, Big Boy's Bagels & Deli, Plaistow, NH

Jun. 2000-Aug. 2000 Lifeguard, Ellacoya State Park and Beach, Gilford, NH

COMPUTER SKILLS

AutoCAD, REVIT, RISA-2D, Primavera, Petra, Microsoft Word, Microsoft Excel, Microsoft Outlook, Microsoft PowerPoint, Adobe Acrobat

MARK A. ELBAG JR.

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OBJECTIVE

To obtain a full time position beginning in the spring of 2006 in the field of Environmental Engineering

EDUCATION

Worcester Polytechnic Institute, Worcester MA

Master of Science in Environmental Engineering Expected Graduation May 2006

Current GPA is 4.0 on 4.0 scale

Bachelor of Science in Civil Engineering. Graduated with Distinction; February 2005 GPA 3.4.

PROJECTS

Master of Science Thesis- 3 course equivalent, August 2005-present

Land Use Impacts on Nearby Surface Water Quality. Testing and analyzing surface water quality parameters such as: fecal coliforms, E. coli, conductivity, organics, and particles in a tributary to the Wachusett Reservoir in partnership with the Massachusetts Department of Conservation. Utilizing various lab equipment such as an organic carbon analyzer, turbidimeter, particle counter, and spectrophotometer.

Major Qualifying Project- 3 course equivalent, September-December, 2004.

Bioreactor Landfills: Team of two students, designed a bioreactor test cell to be installed during the expansion of the Crapo Hill Landfill in New Bedford, MA. Developed various design aspects including: liner, cap, leachate recirculation system, and a gas collection system. Devised an operational strategy.

EMPLOYMENT

Worcester Polytechnic Institute, Worcester, MA January 2005-present

Teaching Assistant in the Department of Civil Engineering. Assisted professors with the following classes: Introduction to Environmental Engineering, Land Use Planning and Development, Fluid Mechanics, and AutoCad. Graded assignments. Held office hours and student help sessions.

New England Environmental Design, Rutland MA, Summers 2004-2005

Led a survey crew of 2. Staked out road layouts and property lines. Surveyed wetlands. Installed bounds. Researched Deeds. Exposed to many environmental engineering designs. Gained experience in AutoCad. Dealt with clients.

Land Planning Inc., Grafton MA, Summer of 2003

Acted as second man on survey crew. Assisted with marking wetlands. Exposed to many zoning and environmental restrictions. Observed many surveying techniques.

Northern Estates Inc., Rutland MA, Summers 1994-2002

Worked on constructing a residential subdivision from start to finish. Installed drainage, as well as underground electrical and telephone systems. Observed the various tasks of constructing a roadway. Headed a two man lawn installation crew. Operated various machinery. Worked extensively with concrete and concrete block.

COMPUTER SKILLS

AutoCAD, PERT, MapInfo, Microsoft Access, Microsoft PowerPoint, Microsoft Excel, Microsoft Word

JESSICA FARRELL

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OBJECTIVE

To find entry-level employment in the fields of civil engineering or project management.

EDUCATION

Worcester Polytechnic Institute, Worcester, MA
Bachelor of Science Degree in Civil Engineering. Expected Graduation, May 2006.
GPA 3.91/4.0

Narragansett Regional High School
Graduated Valedictorian of the Class of 2002, GPA 4.1/4.0

RELEVANT COURSES

Analytical Mechanics I & II, Intro. To Analysis and Design, Materials of Construction, Design of Timber Structures, Surveying, Geology, Construction Project Management, Soil Mechanics, Fluid Mechanics, Dynamics, Pavement Design, Reinforced Concrete Structures, Intro. to Environmental Engineering, and Intro. to Transportation Engineering.

EXPERIENCE

Bovis Lend Lease University of Massachusetts Worcester – Façade Replacement Project
Intern May 9, 2005 – present

Assist Project Engineer in document control and participate in the monitoring and regulation of infection Control practices occurring due to granite demolition outside patient rooms in the hospital portion of the complex.

The Kitchen Garden Templeton, MA
Assistant Manager April 1999-present

Assist in the mixing and baking of various Finnish and Swedish baked goods. Additionally, aide in the day-to-day operations of the store (i.e. supervise other employees and assist customers)

PROJECTS

Interdisciplinary Qualifying Project (IQP) Completed a needs assessment for two Worcester public schools, Chandler and Elm Park Community Schools, to determine programs needed and desired by the community in terms of adult education and after school programs.

COMPUTER SKILLS

Microsoft Word, Excel, PowerPoint, Prolog and AutoCAD

ACTIVITIES AND AWARDS

WPI Varsity Field Hockey (2002-present), Unsung Player Award (2002),
NEWMAC Academic All-Conference (2002, 2003, 2004, 2005)
WPI Club Lacrosse (2003-present)
Member of Tau Beta Pi and Chi Epsilon Engineering Honor Societies
Morgan G. Freeman Scholarship Recipient (2004)
Member of ASCE and AGC

SARA B. FOWLER

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OBJECTIVE	To obtain a challenging position involving Civil Engineering design that will utilize and expand my knowledge acquired through academic studies.	
EDUCATION	Worcester Polytechnic Institute , Worcester, MA Bachelor of Science in Civil and Environmental Engineering Candidate, May 2006.	
RELATED COURSEWORK	Materials of Construction Introduction to Auto-CAD Land Use Planning & Development Architectural Engineering Systems Introduction to Analysis & Design	Analytical Mechanics I & II Transportation Engineering Urban & Environmental Design Fluid Mechanics Architectural Engineering
PROJECT WORK		
MARCH 2005- OCTOBER 2005	Major Qualifying Project (MQP) , Worcester, MA “Designing Pavement Structures Using the Mechanistic Method” The design life of a typical pavement structure using different grades, sources, and material properties of asphalt binder was simulated using the proposed AASHTO Design Guide 2002 software. The purpose of this independent project was to determine the optimum binder grades, sources, and pavement thickness to resist premature rutting and thermal cracking in asphalt pavements in Maine. Research from this project will be presented at the International Conference for Cold Regions Engineering in 2006.	
SEPTEMBER 2004- MARCH 2005	Interactive Qualifying Project (IQP) , Worcester, MA “Alternative Energy Resources” A team of three project members predicted how long the current global reserves of coal, natural gas, and oil will last at current consumption rates. Different methods of producing alternative energy are discussed for satisfying local and global energy demand, focusing on the implementation of a photovoltaic solar plant at WPI.	
SKILLS	Computer: Auto-CAD, Microsoft Excel, Word, Access, Powerpoint, Revit, and the Proposed AASHTO Design Guide 2002. Lab: Asphalt and concrete technology and concepts, pavement design, and construction practices.	
EXPERIENCE	Worcester Polytechnic Institute, Worcester, MA (May 2005-Present) Research Assistant in the Pavement Lab. Ongoing pavement studies for the Maine Department of Transportation. Using the proposed AASHTO Design Guide 2002 software, simulation models of pavement structures are analyzed to determine effects of environmental, traffic, and structural variables. Consumer Delivery Network , Worcester, MA (July 2004-May 2005) Office support, data entry, organizing and filing. Coordinating deliveries of home furnishings by communicating with both consumers and delivery agents across the country. Bugaboo Creek Steakhouse , Shrewsbury, MA (March 2004-October 2004) Waitstaff. Rainforest Café , Burlington, MA (April 2001-March 2004) Waitstaff.	
PUBLICATIONS	“Use of Mechanistic Empirical Pavement Design Software for Proper Design and Construction of Reclaimed Pavements in Northern Maine.” Accepted into the 13 th International Conference on Cold Regions Engineering in 2006. Co-authored with Professor Rajib Mallick.	

OBJECTIVE	Junior or entry- level Civil Engineer utilizing interest and experience in Structural Engineering.						
EDUCATION	<p><i>Worcester Polytechnic Institute, Worcester, MA (2004-2006)</i> Bachelor of Science, Civil Engineering. Concentration: Structural Engineering. GPA 3.75</p> <p><i>Merrimack College, North Andover ,MA. (2003-2004)</i> <i>Universidad Católica Andrés Bello (2000-2003)</i> <i>Instituto Cumbres de Caracas Caracas, Venezuela July,2000</i> Graduated with Honors (High School)</p>						
RELATED COURSES	<table border="0"> <tr> <td>Design of wood structures.</td> <td>Foundation Design</td> </tr> <tr> <td>Prestressed Concrete</td> <td>Structural Analysis</td> </tr> <tr> <td>Reinforced Concrete</td> <td>Steel Design</td> </tr> </table>	Design of wood structures.	Foundation Design	Prestressed Concrete	Structural Analysis	Reinforced Concrete	Steel Design
Design of wood structures.	Foundation Design						
Prestressed Concrete	Structural Analysis						
Reinforced Concrete	Steel Design						
ACADEMIC PROJECTS	<p>Junior Interactive Qualifying Projects (IQP) Drinking water problems in Sudan and Egypt, analysis of possible solutions. Conclude that the scarcity of resources will not allow developing or treating for healthier drinking water resources.</p> <p>Senior Major Qualifying Project (MQP) The use of PZT fibers in Civil Engineering projects and their possible use towards health monitoring in bridges.</p>						
EXPERIENCE	<p>Structural Engineer Intern, Caro Enterprises, New York, NY Summer, 2005 Worked with the resident engineer: construction site digging, containment of adjacent structures, excavation and preparation and excavation for foundation pouring. Supervised three workers.</p> <p>Research Assistant, Worcester Polytechnic Institute, Worcester, MA. Summer, 2005 Research on the use of piezoelectric fibers as sensors in reinforced concrete structures and other uses in civil engineer. Concluded that at higher frequencies the higher output voltage obtained.</p> <p>Structural Engineer Intern, Millennium Construction Company, Caracas, Venezuela. Working with the execution of: retaining walls, foundations, concrete pouring. Supported Resident Engineer. (Summer 2002).</p> <p>Engineer Trainee. Learned how to read the structural plans, ultimately supervising the workers and assuring the amount of reinforced steel to be used on the beams. Determined the correct concrete mix by testing concrete for slump, and the collection of concrete cylinders for lab analysis. Supported resident engineer. (Summer 2000)</p>						
SKILLS	<p>Fluent in Spanish</p> <p>Microsoft Tools, Primavera, Mathcad, Matlab, Risa 2D, Adobe Acrobat, ANSYS 9.0.</p> <p>Good communicator, excellent team working skills</p>						
AWARDS HONORS	<p>President of the American Society of Civil Engineering chapter at Merrimack College 2003-2004.</p> <p>First place in regional steel bridge competition as team member and president of the ASCE Chapter.</p> <p>13th place in the National steel bridge competition.</p>						
LEADERSHIP & TEAM ACTIVITIES	<p>International Student Council</p> <p>American Society of Civil Engineering Chapter member in Worcester Polytechnic Institute.</p> <p>Volunteer math tutor at Merrimack College.</p> <p>Club sport tennis</p>						

MICHAEL GIZA

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OBJECTIVE

To obtain an entry level position in the Structural Field with a Civil Engineering enterprise that encourage and supports "Engineer-in-Training"

EDUCATION

Worcester Polytechnic Institute, Worcester, MA August 2004 - May 2006
Bachelor of Science Degree, Civil Engineering Concentration: Structural Engineering

Quinsigamond Community College, Worcester, MA September 2002 - May 2004
Associates of Science, with Highest Honors, Basic Engineering

ACADEMIC PROJECTS

Senior Major Qualifying Project August 2005 - March 2006

Project Management and Roof Design of Worcester Trial Courthouse

- Examining overall project organization to determine delays and cost overruns during current construction.
- Examining roof design for quality and possible use of excess material.

Junior Interactive Qualifying Project October 2004 - May 2005

Hydrogen as an Energy Source

- Examined existing energy sources such as hydroelectric, fossil fuels, nuclear, wind, and tidal.
- Examined history and workings of current hydrogen fuel cell technology for feasible power production.
- Designed an electrical power system for forty-foot yacht using hydrogen fuel cells integrated with solar panels and wind turbines, resulting reduced emissions from combustion engines onboard and extended sailing time.

COMPUTER SKILLS

Operating Systems: Windows 95/98/2000, Linux, DOS

Programming Languages: C/C++, Assembly, Visual Basic, HTML

WORK EXPERIENCE

AutoZone, Worcester, MA **Senior Sales Associate** April 2005 - Current

- Customer Service
- Give technical advice to customers.
- Provide customer with everything necessary to do job correctly.
- Light repairs performed at customer's request.

Laughlin Kennels, Oxford, MA **Office Manager, Maintenance** March 2003 - June 2005

- Customer Service
- Provided customers with information on various breeds of dogs so that they may choose the appropriate breed for their wants and needs.
- Repaired and maintained kennel and office.

Richard Desrosiers, Webster, MA **Project Supervisor** May 1999 - April 2005

- Worked with owner to repair and maintain properties, as well as construction projects.
- Supervised other workers on multiple projects.
- Consulted owner on design and construction for all projects.

JUSTIN H GONSALVES

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OBJECTIVE

To obtain a position in the field of Civil Engineering with a focus in Construction Project Management.

EDUCATION

Worcester Polytechnic Institute, Worcester, MA
Bachelor of Science, Civil Engineering, Expected Graduation May 2006

RELATED COURSE WORK

Surveying; Construction Project Management; Design of Reinforced Concrete Structures; Structural Design; Computer Aided Design; Transportation Engineering; Environmental Engineering; Materials of Construction; Water Treatment Design; Material Science; Urban and Environmental Planning.

Major Qualifying Project (equivalent to 3 courses)

Track the daily on-site and office activities involved in construction management for the Worcester Trial Courthouse project. Redesign a reinforced concrete foundation to help solve a structural concern of load capacity and construction coordination.

Interactive Qualifying Project (equivalent to 3 courses)

Perform a creel survey during the 2005 ice fishing season on Lake Quinsigamond and Asnacomet pond. Data was collected from anglers regarding species, fish creel, and angler background. Findings were submitted to the Div. of Mass Fisheries & Wildlife for future fisheries management.

WORK EXPERIENCE

Assistant Technician, Gilbane Building Company, Providence, RI January 2005 – Present

- Participate in the review process of bid packages.
- Review shop and architectural design drawings for corresponding accuracy.
- Post sketches and changes for building plans.
- Coordinate field project and quality control with subcontractors.

Project Supervisor, Moriarty Management Company, Campton, NH May 1999 – August 2004

- Progressed through all aspects of landscaping, grounds maintenance, plumbing and carpentry to project supervision.

Landscape Maintenance, Plymouth, NH (self-employed) May 2002 – August 2004

- Landscape design and maintenance, stone, masonry wall construction and carpentry.

Carpenter, Ross Construction, Holderness, NH November 2001 – January 2003 (part-time)

- Framed single family wood homes.

TECH/COMPUTER SKILLS

Microsoft Word, Excel, PowerPoint, AutoCAD2002, Prolog Manager, Primavera, Revit

ERNESTO J. GONZALEZ

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OBJECTIVE To obtain a full time position in the field of Civil Engineering.

EDUCATION

Worcester Polytechnic Institute (WPI), Grad: May 2006 Worcester, MA
B.S. in Civil Engineering, Concentration in Structural Engineering, GPA: 3.2 2002-Present

RELEVANT COURSES

Civil Engineering and Computer Fundamentals, Analytical Mechanics I (Statics), Analytical Mechanics II (Stress), Introduction to Analysis and Design, Introduction to Environmental, Engineering, Soil Mechanics, Foundation Engineering, Design of Reinforced Concrete, Structures, Matrix Analysis of Structures, Design of Steel Structures, AutoCAD, Surveying, Design of Wood Structures, Construction Project Management, Transportation Engineering, Prestressed Concrete, Materials of Construction, Fluid Mechanics, Hydraulics

Senior Major Qualifying Project (MQP), Structural Design Project: (August '05- March '06) Working in a three person team to develop an efficient layout, structural/foundation design, fire protection system and cost estimate of a multi-story educational facility. (3 course equivalent)

WORK EXPERIENCE

Sunland Group Houston, TX
Civil Engineering Intern May 2004- August 2004
Worked on and revised project plans using AutoCAD, assisted in cost calculating, as well as visited project sites to evaluate its progress.

WPI Career Development Center Worcester, MA
Office Assistant (Work/Study) September 2003- Present
Provide front desk assistance. File, answer phones, provide excellent customer service to visitors to the center.

XEROX de Nicaragua, Logistics and Distribution Department Managua, Nicaragua
Office Assistant (Intern) June-July 2003
Provided front desk assistance at the supplies warehouse. Kept a record of the flow of supplies and parts from the warehouse.

WPI Asset Management Dept. Worcester, MA
Inventory Clerk (Work/Study) September 2002- April 2003
Kept inventory of new equipment by tagging equipment and data entry of equipment information into a database.

XEROX de Nicaragua, Technical Service Department Managua, Nicaragua
Assistant Technician (Intern) June-July 2002
Acted as the assistant to the fax/copier/printer technician. Assisted in the repair of Xerox products.

Consorcio Hogares SOVIPE, Logistics Managua, Nicaragua
Assistant Property Manager (Intern) June-July 2001
Kept a strict control of the flow of construction materials and tools at a construction site, as well as inventory.

SKILLS

Computer: AutoCAD, RISA-2D, MASTAN2, SAP2000, FRAME, Primavera Project Planner, Microsoft Office, as well as some hardware knowledge (PC, printer, copier, and fax).
Languages: Fluent in English and Spanish.

ORGANIZATIONS

Society of Hispanic Professional Engineers (SHPE): Member (August 2002 – Present), Treasurer 2004-2005
American Society of Civil Engineers(ASCE):Member(August 2002 – Present), Steel Bridge Competition 2005-06

LAURA HANDLER

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OBJECTIVE

A challenging entry level position in Construction Project Management

EDUCATION

Worcester Polytechnic Institute Worcester, MA Expected Graduation May 2006
B.S., Civil Engineering & Industrial Design (Double Major) Current GPA: 3.5/4.0
Concentration in Construction and Project Management

Mainland Regional High School Linwood, NJ, GPA: 4.0/4.0, June 2002

AWARDS

WPI Women of Strength Award; Society of American Military Engineers Scholarship Award

RELATED COURSE WORK

Undergraduate Level

Computer Aided Design in AutoCAD & Pro/Engineer, Material Selection & Manufacturing Processing, Architectural Engineering Systems, Surveying, Analysis of Dynamic & Static Systems, Construction Project Management, Legal Aspects of Construction, Environmental Engineering, Urban & Environmental Planning, Analysis of Construction Materials;

Graduate Level Design & Analysis of Manufacturing Processes, Computer Integrated Methodologies of Civil Engineering, Construction Facilities Seminar

ACADEMIC PROJECTS

Contractor Bid Proposal, 8/05 - 10/05

In a team of 3, developed a bid proposal for a construction project. Selected subcontractors, developed project schedules, & estimated project cost. Used Primavera Project Planner & Microsoft Office to prepare bid proposal documents.

Gender-Based Aspirations Survey *Interactive Qualifying Project (IQP)*, 10/04 - 5/05

In a team of 2, developed & administered an aspirations survey to assess students in the Worcester Public High Schools. Compared the aspirations & career-related concerns of high school juniors based on gender & ethnicity. Reported results to the public school administration & made recommendations for future projects.

CNC Manufactured Furniture *Major Qualifying Project (MQP)*, 8/04 - 1/05

Independently designed a workspace based on a computer numerical controlled manufacturing process. Used axiomatic design to design the furniture & the manufacturing process. Used Pro-Engineer Wildfire & MasterCAM for design.

The Anti Woman Arguments *Freshman Sufficiency Project*, 3/03 - 4/03

Researched & analyzed American women's history to write a comparison of the anti-suffrage movement of 1850-1920 & the anti-feminist movement of the 1980s & 90s.

EXPERIENCE

*Consultant, **Accelerated Learning Laboratory**, Worcester, MA, 08/05 - current*

Interacted with the junior class at the public school on a weekly basis to improve college acceptance & attendance rates. *Skills required: organization, time management patience*

*IQP Advisor, **Worcester Polytechnic Institute**, Worcester, MA, 06/05 - current*

Proposed & co-advised five projects to continue previous IQP studies with the Worcester Public Schools. Organized & coordinated the efforts of teams; ran project meetings, resolved issues with sponsor, school administrators, & faculty.

*Intern, **Rizzo Associates**, Framingham, MA, 05/05 – 08/05*

Worked as an intern in the International Public Civil Sector Department. Prepared & finalized project drawings & design packages; organized project archives. Became familiar with procedures for design submittals for projects in Gardez and Mazer-e-Sharif, Afghanistan for the US Army Corp of Engineers. *Skills required: work under pressure, time flexibility, AutoCAD & Microsoft Office.*

*Color Guard Instructor, **Foxboro High School**, Foxborough, MA, 05/04 - current*

Choreograph & teach performance material; organize & direct performances & practices. Transformed a dwindling activity into a successful performance group. *Skills required: leadership, tenacity, patience & creative thinking required.*

COMPUTER RELATED

Familiarity with Windows and Macintosh Operating Systems, Pro-Engineer Wildfire, Microsoft Office, AutoCAD, Autodesk AutoCAD Revit, Primavera Project Planner

SOFT SKILLS

Team-based group mentality, organization within a group, effective communication, cross cultural awareness, time management, attention to detail, public speaking, motivation, flexibility, multi-tasking & tenacity.

ACTIVITIES, COMMUNITY SERVICE & OTHER INTERESTS

Advisory Committee on the Status of Women:

Public School Liaison and WPI Projects Liaison 2004-current

FACES@WPI:

Organized a yearly program at WPI for Worcester female high school students 2005-current

Pay Equity Day:

Organized efforts at Worcester colleges to increase awareness of the earnings gap 2005-current
American Society of Civil Engineers (Concrete Canoe Contest); Society of Women Engineers (Introduce a Girl to Engineering Day); Women in Industry Networking; Tennis; Dance; International & Urban Education & Development

MELISSA HINTON

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OBJECTIVE

To obtain a position in the field of Civil Engineering with a focus in construction and project management.

EDUCATION

Worcester Polytechnic Institute, Worcester MA Expected Graduation May 2006
Bachelor of Science in Civil Engineering, GPA 3.23

RELEVANT COURSES

AutoCAD, Construction Project Management, Materials of Construction (Lab Course) and Environmental Engineering, Urban & Environmental Engineering and Drafting.

PROJECTS

Senior Major Qualifying Project (MQP), August 2005-April 2006

Worked with a group of four students to help the town of Douglas determine their needs for a track and field complex and to present several options for a complex to the Douglas community. (Three course equivalent)

Junior Interactive Qualifying Project (IQP), Environmental Protection Agency (EPA)

October to December 2004

Worked within a group of three students in Washington D.C. to aide the EPA to determine the effects resulting from their Technology for a Sustainable Environment academic grant program. Talked to professors, graduate students, and industrial sponsors and compiled information into individual case studies which were used in reorganizing the grant program and obtaining more funding from Congress. (Three course equivalent)

WORK EXPERIENCE

Peer Learning Assistant, Construction Project Management, Fall of 2005

Assisted professor with handling students' questions in and outside of class, graded homework, and attended class tutorials to help students.

Carlisle Planning Board, Carlisle MA, Summer of 2005

Filed and distributed plans, set up for meetings, handled visitors and other office duties which included on going projects that last through the summer. Maintained the office while the administrator was on vacation for several weeks.

Carlisle Board of Health, Carlisle MA, Summer of 2004

Analyzed data on town water quality and determined which subset was pertinent to the boards' needs. Answered the phone, handled incoming visitors, set up for meetings, and other kept the office open while the administrator was away on vacation for several weeks.

Carlisle Conservation Foundation, Carlisle, MA, Summer of 2003

Worked with the foundation to complete projects involving property they managed in the town of Carlisle. Activities included measuring and plotting the depth of a pond, researching information for upcoming projects, and lastly implementing a new method storing and tracking documents of the foundation

ACTIVITIES

Alpha Gamma Delta (2002 to present): Purchasing Coordinator, Alumni Relations Coordinator, and Sisterhood Coordinator.

Society of Women Engineers (2002 to present),: Public Relations, and Treasurer.

KRISTOPHER M. HOULE

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OBJECTIVE

To obtain a position where I can utilize my skills as an environmental engineer.

EDUCATION

Worcester Polytechnic Institute, Worcester, MA

Bachelor of Science: Civil & Environmental Engineering

Current GPA: 3.88 Expected Graduation Date: May 2006

RELEVANT COURSES

Water / Wastewater Treatment, Open Channel Hydraulics, Hydrology, Fluid Mechanics, Earth Structures, Soil Mechanics, Air Quality Management, Urban Planning

PROJECTS

Major Qualifying Project – Salt Pond Restoration on the Turks & Caicos Islands

Interactive Qualifying Project – Bicycle Theft Prevention in Copenhagen, Denmark

ACHIEVEMENTS

Chi Epsilon – Civil Engineering Honor Society

Charles O' Thompson Scholar Award

WORK EXPERIENCE

Fuss & O'Neill, Inc. Consulting Engineers, West Springfield, MA

Intern Summer 2005

Performed stormwater, groundwater, and soil sampling. Prepared reports and permits for oil containment and air pollutant emissions. Calculated and compiled data for various environmental engineering projects.

WPI, Mechanical Engineering Department, Worcester, MA

Lab Assistant Sept. 2002 – Present

Assisted with the duties involved in maintaining the mechanical engineering lab.

Utilized welding and machining skills to design and manufacture projects with the lab manager.

Williston Northampton School, Easthampton, MA

Physical Plant – Grounds Keeper Summer 2003, 2004

Maintained campus landscape. Operated chainsaws, lawn mowers, sheers, and heavy machinery such as backhoes, dump trucks, and high lifts.

Dining Services – Supervising Dishwasher Oct. 1998 – Aug. 2003

Worked with a team of four employees to wash dishes at a preparatory high school. Ensured all working and dining areas were kept clean and organized.

COMPUTER SKILLS

Proficient using AutoCAD, Excel, Microsoft Office, Pro-Engineer: Wildfire

EXTRACURRICULAR / COMMUNITY ACTIVITIES

Global Ambassador Program at WPI August 2005 – Present

WPI Scuba Club Sept. 2005 – Present

KURT KELLEY

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EDUCATIONAL BACKGROUND

- Senior at Worcester Polytechnic Institute -- Civil & Environmental Engineering
- Major Qualifying Project -- Wind Power Feasibility Study at Crotched Mountain, NH
- Interactive Qualifying Project -- Identifying Priority Open Spaces in Worcester, MA
- High School Diploma, Barnstable High School, June, 2002
- Grade Average: 3.78
- Class Rank: 22 of 414
- Honor Roll: 16 of 16 terms

WORK EXPERIENCE

- Land Surveying, Eagle Survey, Yarmouthport MA; May 2004 to Present
- Gas Station Attendant, Xtra Fuels, Hyannis, MA; May 2004 to September 2004
- Land Surveying, Cummaquid Survey, Cummaquid MA; 1999 to Present
- Maintenance Tech, Mariner Motor Lodge, S. Yarmouth; 2002 - 2003

EXTRACURRICULAR ACTIVITIES

- Alpha Tau Omega Fraternity Brother: 2002 - Present; House Manager; Vice President
- WPI Men's Soccer Team: 2002 - Present
- National Honors Society: 2001 - 2002
- Rotary Club: 2002
- French National Honors Society: 2000 - 2001
- MAPLE Soccer: 2000 - 2003
- JV/Varsity Soccer: 1998 - 2002; Senior Captain; OCL All-Star; Cape and Islands All-Star
- Amateur Men's League Soccer: 2000 - Present
- Varsity Track: 1998 - 2000; Coach's Award

VOLUNTEER EXPERIENCE

- Greater Worcester Land Trust: 2005
- ATO Charity Poker Tournament: 2004
- Institute Park Cleanup: 2004, 2005
- ATO Jump-a-Thon Fundraiser: 2003, 2004, 2005
- Friends of Newton Hill Cleanup: 2003
- "Making Strides Against Breast Cancer" Walk: 2003
- Adopt-a-Platoon Program: 2002 - Present
- Youth Soccer Referee: 1998 - 2004; USISL Certified
- Religious Holiday Class Volunteer: 1998 - 2002
- BWB Homework Helper: 2002
- Barnstable 4th of July Celebration Volunteer: 1998
- Barnstable Soccer Booster Club: 1998 - 2002

AWARDS

- Stanley Z. Koplik MCAS Certificate of Mastery Award: 2002
- Gold, Silver, Letter Academic Achievement Awards: 1998 - 2002
- Athletic Scholastic Awards: 1998 - 2002

Adam Levesque

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Permanent Address

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Somerset, MA 02726
(508) 674-1059

Objective: Obtain an Entry-Level Structural Engineering Position with a Focus in Design and Analysis

Passed Fundamentals of Engineering Exam

Education:

Worcester Polytechnic Institute, Worcester, MA

M.S.: Structural Engineering GPA: 3.8 (May 2006)

B.S.: Civil and Environmental Engineering, GPA: 3.6 (May 2005); Minor: Spanish

Related Course Work: Reinforced Concrete, Prestressed Concrete, Advanced Steel, and Wood Design; Foundation Engineering; Structural Dynamics; Structural Mechanics; Structural Matrix Analysis; The Finite Element Method; Structural Design for Fire Safety; Design-Build Integration; Surveying; AutoCAD

Academic Projects:

Thesis

- Developed an Excel Calculation Tool which Predicts Temperature Distributions in Concrete Slabs
- Intended to be used as a Design Aid Tool in Conjunction with Published Data for Steel and Concrete Strengths at Elevated Temperatures

Major Qualifying Project (equivalent to three courses' credit)

WPI, Worcester, Ma (Fall 2004 – Spring 2005)

- Structural and Architectural Design of a Hospital Facility in Both Steel and Reinforced Concrete
- Investigated Sustainable Design Methods
- Used MASTAN 2 and SAP 2000 for Frame Analysis.
- Honorable Mention for the Provost Award Given to the Top Civil Engineering MQP

CenSISS REU, Center for Subsurface Sensing and Imaging Systems

Northeastern University, Boston, MA (Summer 2004)

- Researched DNAPLs (Type of Soil Contaminant) and Wrote a Detailed Report on Their Movement in the Subsurface

Interactive Qualifying Project (equivalent to three courses' credit)

CICA, San Jose, Costa Rica (Summer 2003).

- As Part of a Team, Analyzed Solid Waste Management Systems in the United States and Costa Rica
- Made Suggestions for the Improvement of Costa Rican Systems Based on Methods Used in the United States
- Awarded for Being One of the Top Ten Projects in 2003

Activities:

Men's Crew (Fall 2001- Spring 2005); (Assistant Coach Fall 2005 – Spring 2006)

AISC Steel Bridge Competition (2003-2005)

Awards and Honors:

Frank D. DeFalco Award

- Presented to the Outstanding CEE Junior Who is Interested in Going Into Professional Practice in the Constructed Facilities Area

Chi Epsilon - National Civil Engineering Honor Society

KYLE LEWIS

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OBJECTIVE

To obtain an exciting and educational position in Civil and Environmental Engineering with a focus on Environmental Engineering, Land Planning, or Geotechnical Engineering.

EDUCATION

Worcester Polytechnic Institute Worcester, MA
Bachelor of Science in Civil and Environmental Engineering, Expected Graduation May 2006, GPA 3.31

Villanova University Villanova, PA
Transferred to WPI in January 2003, GPA 3.8

WORK EXPERIENCE

- 6/05 – 8/05 Field Engineer, The Geotechnical Group (Needham, MA)
Performed soil density tests, slump tests and borings, and assessed the quality of earthwork.
- 6/04 – 8/04 Surveyor, Wilson Associates (Franklin, MA)
Laid out septic systems, set controls, produced topographical surveys, and transferred data into maps.
- 6/03 – 8/03 Landscaper, Mayfair Realty (Foxboro, MA)

PROJECT AND TECHNICAL EXPERIENCE

Interdisciplinary Qualifying Project (Bangkok, Thailand) – Designed a drip irrigation system for a sixty acre plot of land in Kanchanaburi, Thailand. Analyzed the physical and social needs required for implementation, performed percolation tests, sampled water, surveyed, evaluated costs, and optimized the designs. The system will supply water for 10,000 oil palm trees that help fund the New Life for Abused Children Foundation.

Major Qualifying Project (Turks and Caicos Islands, Caribbean) – Designed a wastewater management program and renewable energy plan for the Island of Providenciales. Analyzed the Island's current energy needs and wastewater treatment facilities and projected the Island's maximum energy consumption and wastewater output when completely developed. Designed several wastewater treatment systems with appropriate alternative energy options.

COMPUTER SKILLS

Software – AutoCAD, Microsoft Office, all Windows OS, MathCAD, Mat lab, Maple.
Technical Skills – Troxler Certified, Percolation Tests, Surveying, Borings, Water testing

RELEVANT COURSEWORK

Urban and Environmental Planning, Environmental Analysis, Land Use Development & Controls, Environmental Engineering, Water Treatment, Hydrology, Fluid Mechanics & Hydraulics, Environmental Engineering Laboratory, Geology & Soil Mechanics, Transportation Engineering, Legal Aspects in Design & Construction, Construction Project Management

ACTIVITIES AND AWARDS

- First Place IQP Presidential Award
- Member, NEWEA and ASCE
- Activities Coordinator, WPI International Student Council
- Member, community service Fraternity APO
- League Coordinator, WPI Club Soccer
- Member, WPI Ballroom dance team

MICHAEL J. MANCUSO

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Woburn, MA 01801
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OBJECTIVE

To obtain an entry level position in the design & construction industry.

EDUCATION

Worcester Polytechnic Institute, Worcester, MA Fall 2002-Spring 2006
Bachelor of Science in Civil Engineering, GPA -3.0

Arlington Catholic High School, Arlington, MA High School diploma, 2002

- Three sport captain & all star
- Gentleman Athlete voted on by faculty

RELATED COURSES

Structural Engineering	Design of Reinforced Concrete Structures
Legal Aspects in Design and Construction	Soil Mechanics
Design of Steel Structure	Intro to AutoCAD
Construction Project Management	Surveying
Materials of Construction	

WORK EXPERIENCE

J.G. Willis Inc., Watertown, MA - Summer 2003, 2004, 2005

- Constructed party tents and built dance floors
- Very long and early hours
- Physical work
- Not scheduled

PROJECT EXPERIENCE

Major Qualifying Project

- Currently tracking the progress of construction and project management activities for a new Hilton Garden Inn Being built in downtown Worcester
- Also, providing design for a pedestrian skybridge to span 150 feet over street

Interactive Qualifying Project

- Collected and analyzed data from WPI students involving their personality types and MBTI results

ACTIVITIES

Alpha Tau Omega fraternity (2002-present)
House Athletic Chairman (2004-present)
Varsity baseball team (2002-present)
American Society of Civil Engineers (2004-present)

VOLUNTEER WORK

Newton Hill Cleanup (2003, 2004)
Jumpathon for WhyMe foundation (2002-2005)
Hawthorne Heights Haunted House (2005)

CAITLIN MC KOY

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College Address

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OBJECTIVE

To obtain employment as an entry level Civil Engineer.

EDUCATION

Worcester Polytechnic Institute, Worcester, Massachusetts Expected Graduation May 2006
Bachelor of Science, Civil Engineering Concentration: Structural Engineering

RELEVANT COURSES

Analysis & Design	Analytical Mechanics I & II
Architectural Engineering Systems	Construction Project Management
Dynamic Systems	Transportation Engineering
Materials of Construction	Material Science
Mathematical Methods in Decision Making	Reinforced Concrete Structures
Soil Mechanics	Structural Engineering
Surveying	Urban & Environmental Planning

PROJECT EXPERIENCE

Cost-Value Implications for Design Alternatives in a Low-Rise Building 8/2005 - Present
Capstone Design Project
Value management of a low-rise building. Evaluated ICC and Massachusetts State building codes, structural systems, methods and materials used. Examined affects of lateral and gravity loading.

Data Management Tools for Age Concern Camden 10/2004 - 2/2005
Interdisciplinary Project
Researched various data management systems, studied the organization's structure, and interviewed staff. The result was the creation of a customized database, user manuals, and training sessions to aid staff members in adapting to the new system.

SKILLS

Computers: Windows XP ME 95/98/00, AutoCAD, Rivet, Primavera, MS Office, Maple, Adobe Photo Shop

OTHER Drafting

EXPERIENCE

Peer Learning Assistant 8/2004 - Present
WPI Civil Engineering Department, Worcester, MA
Responsible for assisting students in understanding class material and evaluating students' performance on assignments.

Swim Instructor, ARC Responding to Emergency, Administrative Aid 6/1998 - 8/2004
Iona College Day Camp, New Rochelle, NY
Summer employment. Instructed ARC swim lessons for children 5 years to 13 years.
Responsible for keeping accurate and up-to-date records of all staff members as well as current medical records of campers.

MATTHEW MURPHY

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OBJECTIVE

Full time position at a civil engineering firm

EDUCATION

Worcester Polytechnic Institute, Worcester, MA
Bachelor of Science in Civil Engineering Expected Graduation May 2006

RELATED WORK EXPERIENCE

Summer Co-op, Gale Associates Inc., Weymouth MA

- Developed and designed plans for projects including parking lot expansion, athletic turf installation, and housing development construction
- Prepared cost estimates for projects
- Attended and participated in weekly project overview meetings with clients
- Reviewed submittals from contractors

RELATED COURSES

Environmental Engineering, Hydrology, Wastewater Treatment, Biology
Design of Reinforced Concrete, Pre-stressed Concrete, Steel Structures,
Wood Structures, Soil Mechanics, Fluid Mechanics, Thermodynamics, Heat Transfer, Surveying,

PROJECTS

Major Qualifying Project

“Site Development and Design of a Five Story Office Building”

Interactive Qualifying Project

“Structural Engineering Principles to Enhance Fire Department Database”

Summer Work Experience

Associate, Home Depot, Rockland, MA Summers 2003, 2004

- Provided customer service to customers
- Earned five merit badges for outstanding work ethic and customer service

COMPUTER SKILLS

Autocad, Smada, Revit, Microsoft Word, Excel, Maple

PROFESSIONAL ORGANIZATIONS AND CERTIFICATIONS

American Society of Civil Engineers

OSHA Certified

ACTIVITIES

WPI Varsity Football	2002-Present
WPI Glee Club	2002-Present
Sigma Phi Epsilon Fraternity Massachusetts Beta Chapter	2002-Present
Manager of Fundraising, Habitat for Humanity	2004

DAVID MURRAY

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EDUCATION

Worcester Polytechnic Institute, Worcester, MA

Bachelor of Science Degree, Civil Engineering, May 2006
Concentration: Structural Engineering GPA: 3.8 / 4.0

ACADEMIC PROJECTS

Senior Major Qualifying Project

Worcester Trial Court House, Aug 2005-Mar 2006

Sponsored by Gilbane Building Company

Monitor management techniques and organization. Track schedule and analyze project development

Junior Interactive Qualifying Project

Hydrogen as an Alternative Fuel Source, Oct 2004-May 2004

Evaluated the use of hydrogen fuel for potential applications. Designed a PEM fuel cell battery

Researched current and alternative types of energy

WORK EXPERIENCE

Murray Brothers Construction Inc. Leominster, MA

Project Manager, 2002-2005

- Projects consisted of government, industrial, commercial and institutional contracts
- Responsible for budgets, quality, schedule, public relations and staffing
- Received several awards for process improvements, quality and project management

Trades Foreman, 2000-2001

- Major responsibilities consisted of monitoring, managing logistics, scheduling, and job cost control
- Trained in multiple disciplines, such as interior finish, brick masonry, roofing and heavy equipment operation

Tradesman, 1997-1999

- General carpentry, concrete forms and casting in place
- Recognized as a lead tradesman

Walt Disney World Orlando, FL

Test Track Technician, Jan-May 2002

- Provided and analyzed guest satisfaction
- Analyzed data for enhanced ride efficiency
- Awarded "Guest Service Fanatic" by Epcot Management
- Served as a member of a parks operations management team

TECHNICAL SKILLS

AutoCAD, Power Point, Primavera, Excel, Word

ALFRED PATRICK NAVATO

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Phone: (781) 698-9594

OBJECTIVE A career as an environmental engineer.

EDUCATION

Worcester Polytechnic Institute, Worcester, MA , GPA: 3.75, Expected Graduation May 2006

Bachelor of Science Environmental Engineering Minor: Computer Science

RELEVANT COURSEWORK

Environmental Engineering, Organic Chemistry, Water Treatment, Surveying

ACADEMIC PROJECTS

Senior Major Qualifying Project

Jan. – March 2006

Salt Pond Restoration in the Turks and Caicos Islands

Will travel to the Turks and Caicos Islands with two team members to assess a series of discontinued salt ponds and determine why algae and bacteria growth is causing the ponds to become unsightly while emitting an unpleasant odor. Will endeavor to the islands and develop a cost-efficient short-term and long-term policy to remove the odor and make the ponds a more habitable environment.

Junior Interactive Qualifying Project

Aug. 2004 – March 2005

A Graduation Outcome Study by Learning Style

Coordinated a team of four studying how students with specific Myers-Briggs Type Indicator (MBTI) learning styles performed at Worcester Polytechnic Institute. We cross-referenced databases between students' MBTI results and information collected from the graduation commencement program to determine if certain learning styles were more likely to graduate with honors. Over 900 students were evaluated. Personally responsible for managing the team workloads and priorities, completing a literature review of the MBTI and previous studies done on the project, performing data analysis and drew up conclusions of the results.

EXPERIENCE

Internship, Department of Conservation & Recreation, Boston, MA

June-Aug, 2005

- Inspected project design for bike trail along Cape Cod
- Inspected stormwater project at Walden Pond by ENSR International
- Participated in bridge inspections in the Boston area
- Researched methods for improving the Boston stormwater infrastructure

Property Manager, Meta-Tech, Bedford, MA

Summers 1998- 2004

- Managed and maintained two apartment buildings and one auto shop
- Performed accounting, maintenance, landscaping, simple carpentry, plumbing, and electrical work

VOLUNTEER/COMMUNITY SERVICE

- Lutheran Home, Worcester, MA. Assist the elderly and set-up for Bingo games. 2005.
- Habitat for Humanity. Assisted in construction of a home. Summer, 2002.

ACADEMIC ACHIEVEMENTS

- Tau Beta Pi Engineering Honors Society Member
- Chi Epsilon Civil Engineering Honors Society Member
- Secretary of Fencing Club

KOSTA J. PSIAKIS

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EDUCATION

Worcester Polytechnic Institute, Worcester, MA

B.S. Civil Engineering, Anticipated Graduation: May 2006, Current GPA: 3.02

SIGNIFICANT COURSEWORK

Environmental Engineering Laboratory, Water Treatment, Waste Water Treatment, Hydrology, Land Use Development and Controls, Surveying, Construction and Project Management, Analytical Mechanics

Major Qualifying Project: "Douglas, MA Track and Field Complex"

The project analyzed a given parcel of land with four marked sites for the placement of a track and field complex. Then a preliminary budget and plans for the track and field complex to be presented to town officials were developed.

Interactive Qualifying Project: "Will Prey Consume Nanotechnology?"

The project researched the effect of popular literature on the development and perception of technology through local and nationwide surveys. Compiled data and made recommendations to professionals in the nanotechnology field as to what reactions they might expect.

Water Treatment – Water Treatment Plant Design Manual

A project to design and size a water treatment plant for the student's hometown, taking into consideration population growth as well as other environmental issues.

WORK EXPERIENCE

Essex County Registry of Deeds, Salem, MA June 2004 – Present

Clerical assistance in the Land Court and Planning Department, and Technical Consultant to the GIS/Mapping Department; tasks included restoring historic documents to be used online, digitally plotting maps, and website and network assistance.

Hollywood Video, Saugus, MA May 2003 – Oct. 2004

Customer Service Representative for three months then promoted to Shift Leader. Responsibilities included balancing cash drawers, bank runs, opening and closing store, and basic managerial duties.

John's Auto Sales, Somerville, MA March 2003 – Sept. 2003

Customer information data entry and advertisement flyer designing

Massachusetts Independent Auto Dealers Association, Norwood, MA Summer 2003

Website design and technical assistance

Essex County Registry of Deeds, Salem, MA June – August 2001

Clerical assistance in the GIS/Mapping Department for Register John O'Brien

COMPUTER KNOWLEDGE

Basic understanding of CAD programs and MapInfo, efficient with MS Excel, Word, Outlook, and Powerpoint, internet, word processing, Adobe Photoshop, basic programming skills in C++, html, and Java, elementary software and hardware repair

ACTIVITIES/LEADERSHIP EXPERIENCE

BiLaGA Worcester, MA August 2004 – May '06

President of a diversity club at WPI concerned with raising awareness on campus. Responsibilities included running the organization as well as planning and supervising campus-wide events.

JULIA ISABELLA MENDES QUAGLIATO

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OBJECTIVE

A position in the field of Structural Engineering.

EDUCATION

Worcester Polytechnic Institute, Worcester, MA

Bachelor of Science, Civil Engineering, concentration in Structures

Minor: Music

Expected Graduation: May 2006 **GPA: 3.35**

RELATED COURSE WORK

Design of Steel Structures	Soil Mechanics
Design of Reinforced Concrete Structures	AutoCAD
Structural Engineering (Wood Design)	Surveying
Construction Project Management	Materials of Construction

PROJECTS

Junior Interdisciplinary Qualifying Project (IQP) – 3 course equivalent

Organized and planned the TechFest2005 – a technology festival interacting music and technology.

EXPERIENCE

School Year **Worcester Polytechnic Institute**, Worcester, MA

2002-2005 Work Study for the WPI Humanities & Arts Department

Various duties such as photocopying, assisting professors with computer support, and providing my organizational skills.

Summer 02-05 **Spiegel Zamecnik & Shah Inc. Structural Engineers**, New Haven, CT

& *Winter 02-04* Intern

Various duties including design of concrete, steel and wood members, retaining walls, shop drawing analysis, generation of spreadsheets, surveying. Also becoming familiar with design Codes and Standards including the IBC 2003 and ASCE 7.

Summer 05 **Worcester Polytechnic Institute**, Worcester, MA

Teaching Assistant

Various duties including teaching music to students, contributing to course organization, coordinating classes, conducting, working closely with those needing extra help, photocopying, room set up for rehearsals.

COMPUTER Microsoft Word, Excel, Access, Outlook Express, AutoCAD

ACTIVITIES

WPI Vice President of Music Association (03-04), International Student Peer Mentor (03-05), ASCE Student Member (03-04), Society of Women Engineer Member (03-04), Band/Orchestra Member (02-03), Alden Voices (Women's Choir) Member (03-05).

LANGUAGE Portuguese and English

MICHAEL RAGUSA

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OBJECTIVE

To obtain a full time civil engineering position with a focus on project management.

EDUCATION

Worcester Polytechnic Institute, Worcester, MA
Bachelor of Science, Civil Engineering, Minor in Spanish June 2006

RELATED COURSE WORK

Analytical Mechanics I & II, Analysis & Design, Architectural Engineering Systems (Drafting), Computer Aided Drafting (CAD), Land Surveying, Construction Project Management, Cost Estimating, Concrete Design, Steel Design, Environmental Engineering, Water Treatment, Wastewater Treatment.

PROJECTS

Major Qualifying Project (MQP); Worcester, MA August-December, 2005

Team of two WPI students working jointly with Gilbane Co. during the construction of WPI's new Admissions Building (Bartlett Center). The capstone design analyzes the structural integrity of an existing concrete utility tunnel incorporated as part of the building's foundation. Project management follows the concrete, excavation, and curbing sub-contractors to examine scheduling and construction efficiency.

Interactive Qualifying Project (IQP); Namibia, Africa March-May, 2005

Team of four WPI students that performed cost analysis and research for the country's developing aquaculture industry, in conjunction with the Namibian Ministry of Fisheries and Marine Resources.

RELATED EXPERIENCE

Internship: Boston Water & Sewer Commission (BWSC) Summers: 2003, 2004, 2005

Managed water, sewer and drainage rehabilitation and replacement contract (BWSC Contract No. 03-308-004) for the BWSC with RJV Construction (Dedham, MA) in urban Boston. Daily responsibilities included contractor communication, reviewing BWSC inspector reports and shop drawings, site visits, total stationing completed work, updating existing autocad drawings and as-built plans, and creating technical documents that include: notice to proceed and residential notifications.

WORK EXPERIENCE

Camp Counselor: Dedham YMCA Summers 2001, 2000

Supervised groups of up to twenty 10-12 year-old boys & girls.

Camp Counselor: Summer's Edge Day Camp Summer 2002

Supervised groups of up to fifteen 10 year-old boys

TECHNICAL SKILLS

Computer skills: Microsoft Word, Microsoft Excel, Maple, Autocad, Revit, Primavera

Engineering Skills: Surveying: Total Stationing/Level Run, Drafting: Updating As-Built, Project Managing: Creating Change Orders, Cost Estimating: quantity takeoffs.

ACTIVITIES

Varsity Football Team WPI 2002-2005

Sigma Phi Epsilon Fraternity Massachusetts Beta Chapter 2002-2006

Sigma Phi Epsilon Executive Board Member 2004-2006

Interfraternity Council Risk Manager 2004-2005

RYAN M. RAND

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Gray, ME 04039

OBJECTIVE

Obtain a position in the field of Civil Engineering as a Project Manager.

EDUCATION

Worcester Polytechnic Institute - Worcester, MA

Bachelor of Science, Civil Engineering Tentative Date of Graduation: May 2006

Gray- New Gloucester High School - Gray, ME

A Member of the Graduating Class of 2002

ACADEMIC PROJECTS

Major Qualifying Project (MQP) - Worcester, MA

Project Manager (2005-2006) Currently tracking the progress of construction and project management activities of the new Hilton Garden Inn located in Downtown Worcester. (3 course equivalent)

Interactive Qualifying Project (IQP) – Worcester, MA

Data Collector /Analyst (2004-2005) Participated on a team of four in an on-going study which researched the effect that a student's learning type had on their performance in a sophomore level engineering course. Using the Myers-Brigg Type Indicator (MBTI), we were able to assist the professor in connecting with all students, so that they had an equal chance at success.

COMPUTER

Microsoft Word, Microsoft Excel, Microsoft PowerPoint, Prima Vera, Mat Lab

WORK EXPERIENCE

Grand Builders Inc. - Gray, ME

General Contractor (June 2000-Present) As a contractor, assisted and led jobs through the process of residential construction. Developed skills in woodwork and electrical projects Learned time management, the ability to meet deadlines, and lead small groups of workers.

Royal River Farms- Yarmouth, ME

Farmhand (June 2001- November 2001) Maintained purebred horse stables, acted as a landscaper, painter, and housekeeper. Worked with others under tight schedules and long hours.

VOLUNTEER

Worcester Polytechnic Institute Athletics- Worcester, MA

Concession Stands (September 2003-October 2005) Volunteered time to work at the WPI football game concession stand for multiple games to benefit WPI Athletics during the 2003 - 2005 seasons.

Salvation Army Clothing Drive- Worcester, MA

Coordinator (March 2003) Collected clothing from dorm rooms and fraternity houses to donate to the Salvation Army.

American Red Cross- Portland, ME

Blood Donor (2001- Present)

ERIN E. RINGER

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OBJECTIVE

To obtain a career in the area Environmental Engineering.

EDUCATION

Worcester Polytechnic Institute, Worcester, MA
Bachelor of Science Degree in Civil and Environmental Engineering, May 2006
Individually Designed Minor in Ecology GPA: 3.6

RELEVANT COURSES

AutoCAD, Transportation Engineering, Analytical Mechanics Fluid Mechanics, Environmental Engineering, Environmental Analysis, Wastewater Treatment, Water Treatment, Hydrology, Open Channel Hydraulics, Biosystems in Environmental Engineering

PROJECT WORK

Senior Major Qualifying Project (MQP), Turks and Caicos Islands, Oct – March, 2006

Design wastewater treatment systems with low energy demands and low environmental impacts for the rapidly growing island of Providenciales. Evaluate possible alternative energy sources and develop a plan of implementation for sustainable energy sources.

Junior Interactive Qualifying Project (IQP), Copenhagen, Denmark, March – May 2006

Worked on a team of three students at the Engineering College of Copenhagen. Analyzed existing curriculum at the university and designed new curricula that included entrepreneurship education for engineers.

PROFESSIONAL WORK EXPERIENCE

Research Experience for Undergraduates Internship (WPI) Worcester, MA 6/2005 – 8/2005

Studied the effects of watershed land use on receiving water quality at the nearby Wachusett Reservoir watershed. Performed physical, chemical and microbiological analyses of water samples and completed a written document of experimental procedures, results and conclusions.

Surveying Internship, BSC Group, Worcester, MA 5/2004 – 8/2004

Facilitated preliminary research for projects and developed surveys for public and private projects including UMASS Steam Line Project, The City of Worcester and Waltham Engineering.

Urban Youth Project, Seven Hills Foundation, Worcester, MA 6/2003 – 1/2004

Administrative Intern,

Revised company wide contact directory, updated client/donor information databases and created a new system for property files, in addition to other administrative duties.

HONORS

Presidential Scholarship Award for four years (2003 – 2006)
Rho Lambda, Panhellenic Leadership Society (Inducted 2005)
Chi Epsilon, Civil Engineering Honor Society (Inducted 2005)
Tau Beta Pi, Engineering Honor Society (Inducted 2005)

LEADERSHIP & ACTIVITIES

Orientation Leader and Peer Advisor (2005)
Phi Sigma Sigma Sorority, Scholarship Chairman (2004), Panhellenic Delegate (2005)
GAEA (Environmental Club) Secretary (2003), Treasurer (2004)
Senior Board (2005)

EDWARD G ROBINSON JR

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College Address

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(603) 393-6871

OBJECTIVE

To obtain an entry level Civil Engineering position in Construction Project Management or Structural Engineering

EDUCATION

Worcester Polytechnic Institute, Worcester, MA

Bachelor of Science, Civil Engineering, Concentration in Structural Engineering

Anticipated Graduation: May 2006; Cumulative GPA: 3.43; **GPA within Major: 3.67**

COURSEWORK

Analytical Mechanics (I, II), Analysis and Design, Soil Mechanics, Matrix Analysis of Structures, Materials of Construction, Pre-stressed Concrete, Urban and Environmental Planning, Structural Engineering, Surveying, Advanced Steel Design (Graduate level), Fundamentals of AutoCAD, Design of Reinforced Concrete Structures, Cost Estimating, Design of Steel Structures, Project Management, Integration of Design and Construction (Graduate level)

RELATED EXPERIENCE

Massachusetts Broken Stone Co., Berlin, MA, Assistant Superintendent, April 2005-Present

- Perform quality tests on asphalt concrete (QA/QC)
- Prepare and deliver bid packages and take-offs

GZA GeoEnvironmental, Inc. Hopkinton, MA, Laboratory Technician, June-December 2004

- Performed multiple identification tests on soil and rock samples.

The Common Man Inn, Plymouth, NH, Laborer, August 2002

- Aided trades in large-scale restoration and maintained worksite.

WORK EXPERIENCE

Worcester Polytechnic Institute, Worcester, MA, Gym Assistant, August 2002-Present

- Maintain facilities and scan ID's for WPI Fitness Center.

The Common Man, Ashland, NH, Painter, May-August 2003

- Painted for independent restaurant chain.

L.W. Packard, Ashland, NH, Laundry Assistant, June-July 2002

- Cleaned, dried and sorted laundry for small local businesses.

SKILLS COMPUTER

Microsoft XP; AutoCAD; Delta Cad; Maple; MathCAD; ProE; Vensim; Microsoft Word, Works, Excel, PowerPoint, Outlook; RISA-2D; Primavera

TECHNICAL

Project Scheduling, Drafting, ID tests on rock and soil samples, Surveying, Asphalt extraction tests

ACTIVITIES - Chi Epsilon Civil Engineering Honor Society: Member, 2005

JEFFREY P. ROMANOSKY JR

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(631) 287-1776

OBJECTIVE Entry-level Civil Engineering in Construction Project Management.

EDUCATION Worcester Polytechnic Institute, Worcester, MA Expected Graduation May, 2006 Bachelor of Science, Civil Engineering

RELATED COURSEWORK Structural Analysis; Project Management; Cost Estimation; Architectural Drawing; Urban Planning; Environmental Engineering; Legal Aspects; Public Health; Hydrology; Analytical Mechanics; Material Science; Fluid Mechanics

PROJECTS

Senior Major Qualifying Project (MQP) – Sep 2005–Mar 2006
Collaborated with partners to explore the importance of Project Management by investigating the progress of the masonry package in the new Worcester Courthouse under construction. Provided an Earned-Value Analysis including percent complete and S-curves to track the progression of schedule and demonstrate whether the budget was being used reasonably. Reviewed the design of a weak foundation wall that may have failed under lateral forces, and proposed an alternate solution as part of our Capstone Design. (3 course equivalent)

Junior Interdisciplinary Qualifying Project (IQP) – June 2005-Oct 2005
Investigated the technology of DNA fingerprinting, describing how they are performed, how they are used, and the impact of this technology on society with legal and ethical issues. (3 course equivalent)
Final Grade: A

COMPUTER SKILLS Operating Systems: Windows, Linux
Civil Engineering Programs: Primavera, AutoCAD
Software Packages: MSOffice, PowerPoint, Excel

EXPERIENCE Party Rental Ltd, Bridgehampton, NY
Summers Warehouse Manager / Driver
2004 -2005 Maintained warehouse inventory, loading, and delivery of rental equipment.

OTHER INTERESTS Boy Scouts of America: Eagle Scout, 2002
WPI Men's Rugby Club: Vice President, 2005
Zeta Psi Fraternity:Active, 2003-2006; Officer, 2005

PHILLIP J. ROY

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OBJECTIVE

To work full time as a Design Engineer, Project Manager, Project Engineer or Estimator for a company that values further education.

COLLEGE

Worcester Polytechnic Institute, Worcester, MA 01609
Major: Civil Engineering with a concentration in Structural Engineering

COMPLETED COURSES OF INTEREST

Structural Engineering, Design of Reinforced Concrete Structures, Geology, Surveying, Soil Mechanics, Fundamentals of Civil Engineering AutoCAD and Fundamentals of Fire Safety.

Pending Courses of Interest: Legal Aspects in Design & Construction, Design of Steel Structures, Structural Design in Fire Conditions, Pre-stressed Concrete Design, Construction Project Management, Transportation Engineering

WPI PROJECTS

Sufficiency (pending)

The History of Labor Safety in America

This research paper talks about the laws and events that lead to the formation of OSHA, one of the major safety influences in our country today.

Interactive Qualifying Project (completed in the UK, London borough of Merton)

Community Involvement and the Commonsense Community Development Trust

The purpose of this study was (1) to gather and present information to the Trust about attitudes towards volunteering, and (2) to provide technical support (a website review and a database) that will aid their efforts to increase volunteers and community involvement.

Major Qualifying Project (pending)

Design of a Correctional Facility and Administration Office

The unique characteristics of a correctional facility make this capstone design project inimitable.

EMPLOYMENT

'99 – '04 Porter Drywall Inc. Portland, ME
Construction Laborer 40+ hours per week only during the summer
Responsibilities: Move from job to job as needed to clean up and do odd jobs for the foremen.

'00 – '01 Staples Falmouth, ME
Business Machines Sales Associate 20+ hours per week during school

'05 J.H. Lynch & Sons Millbury, MA
Assistant to a Project Manager/Estimator 40 hours per week during the summer
Responsibilities: Quantity Takeoff, Submittals, Transferals and assorted tasks

COMPUTER SKILLS

Microsoft Office, AutoCAD, Earthwork 3D/2D, HCSS, Primavera and Risa 2D

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Sachin Sharma

Objective Fulltime entry level position in Civil/Environmental Engineering with opportunities to work in diverse projects.

Education Worcester Polytechnic Institute Worcester, MA
Master of Science in Environmental Engineering May,06
Thesis: In situ remediation of TCE contaminated soil. Calculation of % TCE reduction using various oxidizing agents through advanced oxidation in various medias.

Relevant Courses: Treatment System Hydraulics, Geohydrology, Multiphase Contaminant Transport, Stream Lake and Estuarine Analysis, Water Chemistry, Industrial Wastewater Treatment, Environmental Analysis, Physical and Chemical Treatment Processes.
Current GPA : 4.0
National Institute of Technology Warangal, India
Bachelor of Technology in Civil Engineering April,04
Relevant Courses: Fluid Mechanics, Geology, Hydrology, Project Management, Structural Engineering, Engineering Mechanics, Soil Mechanics, Transportation Engineering, Surveying, Open Channel Flow, Numerical Methods, Environmental Engg-1&2.

Experience

Worcester Polytechnic Institute 3/2005-5/2005 Worcester, MA
Environmental Engineering Lab Teaching Assistant
Performed Laboratory studies to obtain the design parameters for water and wastewater treatment systems. Experienced using pH meters, autoclaves, spectrophotometer, culture media and preparing solutions and titrations.

Kakatiya Enviro Engineer 6/2003-5/2004 Warangal, India
Assistant Environmental Engineer
Collection and sampling of subsurface water on monthly basis for physical and chemical analysis. Management and treatment of biomedical waste with safe onsite disposal methods. Inspection of health care facilities for proper collection and handling of biomedical waste.

Skills Computer: AutoCAD, MS Word, Excel, Power Point, HP chemstation
Instruments: Agilent 6890 series GC system, Ozone Generator, Atomic Absorption AAnalyst300.

Professional Affiliation American Society of Civil Engineers,2005--present
Proff.John Bergendahl Proff. M.S. FitzPatrick

References Assistant Professor Associate Professor
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BEN L. SILVERMAN

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PROFESSIONAL OBJECTIVE

To obtain a position in the Construction Project Management.

EDUCATION

Worcester Polytechnic Institute, Worcester, MA

Bachelors of Science in Civil and Environmental Engineering Candidate, 05/2006

WORK EXPERIENCE

05/2005 - 08/2005 Spec Engineering, Burlington, MA

Assistant Construction Project Manager

- Responsible for document control
- Communicated with bidders and vendors
- Created AutoCAD drawings for clients
- Responsible for assembling and sending bid packages

Pizzeria Regina, Marlboro, MA

07/2004 - 09/2004 Cashier

Getty Mart, Bellingham, MA

06/2003 - 08/2003 Cashier

Lutheran Church of the Cross, St. Petersburg, FL

09/2001 - 07/2002 Maintenance Engineer

- Cleaned 6-9 classrooms and offices per day
- Repaired and maintained buildings

A Passion for Food, Inc. , St. Petersburg, FL

03/2001- 11/2001 Caterer

- Responsible for serving food on site
- Cooked and prepared food
- Cleaned kitchen and on site facilities

SOFTWARE EXPERIENCE

Microsoft Office, Microsoft Outlook, AutoCAD, Revit, Primavera.

CLASSES TAKEN

Construction Project Management, Structural Engineering, Building Cost Estimating, Scheduling, and Project Control, Architectural Engineering Systems Design, Legal Aspects in Design and Construction

ACCOMPLISHMENTS

02/11/2005 Presented Intermediate Qualifying Project (IQP)
IQP on Comparative Modernization between Western Europe and Middle East

Baltimore, MD

HENRY J. SOCKBESON IV

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EDUCATION

Worcester Polytechnic Institute, Worcester, MA BA expected May 2006
Major: Civil Engineering

RELEVANT COURSES

Construction Project Management, Cost Estimating, Scheduling, Project Control, Legal Aspects in Design and Construction, Urban & Environmental Planning, Analytical Mechanics I & II, Introduction to Analysis and Design, Surveying, Structural Engineering, Fundamentals of Civil Engineering Auto Cad, Design of Reinforced Concrete Structures, Soil Mechanics, Principles of Electrical Engineering, Materials of Construction, Calculus I,II,III & IV, Ordinary Differential Equations, Linear Algebra,

TECHNICAL SKILLS

AutoCAD, Primavera, MATLAB, Excel, Power Point, Microsoft Word, Photoshop, Windows Office

SCHOOL EXPERIENCE

Australia Interactive Qualifying Project (Professional Development Statistics Teachers):
Spring 2005

Melbourne, Australia with the Australian Bureau of Statistics. Humanities related project creating a framework for a professional development course for teachers in the area of statistics.

Worcester Major Qualifying Project (Concrete Strain Response):

August – February 2005

Worcester Polytechnic Institutes Concrete Laboratory. My team worked with PZT fibers in an effort to create a relationship between strain and PZT response in concrete bridges. Created mock beams for testing in the concrete lab and 3 large beams.

INTERNSHIP EXPERIENCE

A/Z Corporation, Ledyard, Connecticut

Summer 2004

Office and Engineering Intern

- Estimated cost for a bid for a new building on the Groton Submarine Base
- Worked with Primavera, a program used for scheduling projects
- Documented work schedules and created weekly report to owners
- Consulted with General Dynamics in an effort to find electrical construction companies for the creation of new electrical transformers.
- Assisted project managers in the field

Dieter & Gardner, Inc., Gales Ferry, Connecticut

Summer 2002

Surveying Intern

- Researched and filed mapping for survey sites
- Acted as a ROD Man on survey 3 different survey teams (no abbreviations)
- Surveyed and mapped in both residential and town/city areas

CHRISTOPHER MOORE SWEENEY

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College Address

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EDUCATION

Worcester Polytechnic Institute, Worcester, MA

Master of Science, Civil Engineering
Expected Graduation Date: July 2006
Bachelor of Science, Civil Engineering
Expected Graduation Date: December 2005
GPA – 3.66

RELATED COURSEWORK

Contracts & Laws for Civil Engineers
Construction Project Management
Land Use Development & Controls

Integration of Design & Construction Advanced
Cost Estimating, Scheduling & Project Control

PROJECTS

WPI Admissions Building, Worcester, MA August – December 2005

Major Qualifying Project (3 Course Equivalent)

Member of a two-person team that assessed the ongoing construction of the new WPI Admissions building from a project management viewpoint while also performing a structural design review of the steam tunnel below the building.

The Sir Arthur Sullivan Society's Website, London, England May – July 2005

Interdisciplinary Qualifying Project (3 Course Equivalent)

Member of a two-person team that evaluated the society's current website and developed recommendations and an alternative solution to their internet needs.

EXPERIENCE

Structural & Soil Systems, Inc., Rockville, MD

Summer Construction / Engineering Internship 2000 – 2002, 2004 & 2005

- Worked as a laborer and welder's apprentice
- Gained experience in cost estimating and bidding
- Conducted site visits and consultation trips with company engineers

Worcester Polytechnic Institute, Worcester MA August – October 2005

Peer Learning Assistant, CE 3020: Construction Project Management

- Aided students with homework and project questions
- Graded papers and helped the professor

Fourth Presbyterian Church, Bethesda, MD May – August 2003

Youth Department Summer Intern

Led Bible studies and helped organize activities and trips

COMPUTER EXPERIENCE

MS Excel, MS Word, AutoCAD, MS PowerPoint, Macromedia Contribute 3, RISA-2D, RISA-3D, Primavera

ELIZABETH A. SZAFAROWICZ

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:

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OBJECTIVE

To obtain a position in the field of Civil Engineering with a concentration in structural design.

EDUCATION

Worcester Polytechnic Institute Worcester, MA
Bachelor of Science degree, Civil Engineering, May 2005

Master of Engineering degree, Civil Engineering
Prospective date of graduation- May 2006

RELATED COURSEWORK:

Structural Wood Design , Cost Estimating in Construction, Advanced Steel Design, Materials of Construction, Construction Failures, Reinforced and Pre-Stressed Concrete, Structural Engineering, Professional Practice, Land Use and Development, Project Management

PROJECTS

Major Qualifying Project (3 course equivalent)
Worcester, MA

August 2004 - Present

By hypothetically renovating the Worcester Memorial Auditorium, our group will incorporate it into the WPI campus Master Plan as new building for the Biology/Biotechnology department. A new floor system was designed as well as a complete construction schedule and cost estimate of the project.

Interactive Qualifying Project (3 course equivalent)
Montgomery County, Maryland

October – December 2003

Through the administration and analysis of a customer survey, our team was able to garner valuable information for use in new marketing and planning strategies for the Ride On bus system in Montgomery County. The development, implementation, and large sample frame of our survey were essential to reconcile differences between previous studies.

EXPERIENCE

2004 - 2005 TEC, Inc. Lawrence, MA
Civil Engineer

- Develop site plans including highway layout, structural, and detail plans.
- Make site visits to analyze traffic patterns and construction progress.

2004 - 2005 Bovis Lend Lease, Boston, MA
Field Engineer

- Work at UMASS Memorial University Campus in Worcester, MA (Façade Replacement Project)
- Monitor infection control, review infection control permits, obtain daily particle counts
- Assist Project Manager in updating and organizing plans

2003 - 2004 George Smith Engineering, Worcester, MA

Drafter

- Plot house lots for mortgage inspection companies using AutoCAD.
- Verify that there are no violations in setback codes or that the structure is not in a flood zone.
- Assist surveyors when using the transit for topographic surveys and setting house corners.

SKILLS

AutoCAD, Revit, Timberline, Primavera, Microsoft Office

ACTIVITIES

Rho Lamda Honor Society, WPI, 2005-Present

Phi Sigma Sigma, WPI, 2002-Present

- Alumni Chairman
- Assistant House Manager

Associated General Contractors of America (AGC), WPI, 2004-Present

- Secretary

Society of Women Engineers, WPI, 2002-Present

Design Build Institute of America (DBIA), WPI, 2003-Present

American Society of Civil Engineers (ASCE), WPI, 2002-Present

Varsity Soccer, WPI, 2002-2005

THOMAS SZERLAG

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OBJECTIVE

To obtain a challenging, entry level position in the field of Civil Engineering

EDUCATION

Worcester Polytechnic Institute, Worcester, MA

Bachelor of Science, Civil Engineering with a Structural Concentration

Graduated in 2005

RELATED COURSEWORK

AutoCAD, Reinforced Concrete Design, Wood Design, Pre-Stressed Concrete Design, Project Management
Soil Mechanics, Surveying, Fluid Mechanics, Steel Design, Cost Estimating and Project Scheduling,
Foundation Design

WORK EXPERIENCE

R.H. White Construction

Auburn, MA

June 2002 – August 2003

Worked as a laborer which included various tasks. I was exposed to hands on experience of a variety of projects such as surveying, reading prints, and project management.

Highland Liquors

Worcester, MA

June 2004 - Present

Assistant Manager- Responsibilities include inventory control, customer service, and night manager closeout duties.

Szerlag Dairy Farms

Northbridge, MA

May 1997 – June 2002

Shift Manager – Livestock maintenance, harvesting, equipment maintenance

PROJECT WORK

Senior Major Qualifying Project (MQP)

The Wilson Language Center

8/04 – 4/05

Worked with three other students to develop and design site plans, structural drawings and project cost estimations for the Wilson Language Center in Oxford, Massachusetts. The Wilson Language Center creates teaching aides to help educate people in the subject of English.

COMPUTER

Microsoft Office, Auto-CAD and Prima-Vera

AWARDS & ACTIVITIES

The Fraternity of Phi Gamma Delta Treasurer (2004)

Recruit Training (2004-2005), Social Chair (2002-2004)

WPI Intramural Football, Softball, Hockey

STEPHEN M. TAYLOR

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OBJECTIVE

To acquire full-time employment in the field of Civil Engineering and Construction Project Management.

EDUCATION

Worcester Polytechnic Institute, Worcester, MA.

Bachelor of Science in Civil Engineering, GPA: 3.07, Expected Graduation May 2006

WORK EXPERIENCE

J.F. White Contracting Company: Framingham, MA

(05/2005-10/2005). Co-op program. Worked under Project Manager, in conjunction with Project Engineers on the MA Rte 146/I-290 interchange in Worcester, MA. Negotiated payments with MA Highway on completed project segments, prepared bi-weekly payment requisitions and tracked construction progress. Interfaced with other divisions of the company on progress and quantities. Participated in the daily interactions to allow the project to stay on course. Asked to remain on job during 1st term of academic year.

Vorce, Soney and Associates: Jaffrey, NH

(05/2003 – 08/2004). Summer and school breaks (2 years). Worked as a Field Technician with small surveying company. Responsibilities included operating Total Station and drawing/plotting surveying data using Pythagoras software.

PROJECTS

Senior Major Qualifying Project: Worcester, MA.

Hilton Garden Inn: To be completed May 2006

Project leader for a four-person team that is shadowing an 8-story hotel being constructed in downtown Worcester, MA. Team is responsible for developing a quantity and cost estimates schedule for tracking progress, an economical analysis of the building as well as redesigning the pedestrian bridge that connects the Digital Credit Union Center (former Worcester Centrum) and parking garage to the hotel (3 course equivalent).

Junior Interdisciplinary Qualifying Project: Worcester, MA.

Stock Market Simulation; Completed July 2004

Project leader of a three-person team which conducted a 6-week simulation to examine the effects of different trading strategies for investing and profits. The objective was to acquire as much capitol as possible as well as knowledge through investing in the stock market (3 course equivalent).

TECHNICAL SKILLS

MS Windows 95/98/2000/XP, MS Word 97/2000/XP, MS Excel 97/2000/XP, MS Power Point 97/2000/XP, Maple V, AutoCAD Professional, Expedition and Primavera Project Planner.

RELAVANT COURSES

Civil Engineering AutoCAD, Legal Aspects of Design and Construction, Construction Project Management, Design of Reinforced Concrete Structures, Cost Estimating, Scheduling, Project Control, Design of Steel Structure, Architectural Engineering Systems

NATASHA ANNA VARGAS

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OBJECTIVE

To obtain a position in Civil Engineering with a focus in construction project management.

EDUCATION

Worcester Polytechnic Institute Expected Date of Graduation May 2006
Bachelor of Science in Civil Engineering GPA: 3.6 / GPA within Major: 3.77

RELATED COURSES

Structural Engineering	Construction Project Management	Foundations Engineering
Design of Steel Structures	Urban & Environmental Planning	Soil Mechanics
Legal Aspects of Construction	Materials of Construction	Surveying
Design of Reinforced Concrete Structures		

PROJECT EXPERIENCE

Major Qualifying Project Sept. 2005 – Present
Completing structural analysis and design of an athletic complex. Our team is researching and evaluating alternative structural scenarios as well as examining the architecture, cost analysis, construction management, and the fire protection of the complex.

Interactive Qualifying Project London, England Mar. – Apr. 2005
“Evaluation of Child Yield within Recent Housing Developments in the Borough of Brent”
Team project for Brent Council, determined potential child yield factors which allowed the Borough to substantiate the monetary contributions made by developers.

WORK EXPERIENCE

May – Aug. 2005 **Nathan L. Jacobson & Associates, Inc.** Chester, CT
Summer Internship: worked with a team of Civil Engineers. Created bond estimates, performed water sampling, attended construction project management meetings, and organized and input data.

Jan. – March 2005 **Civil and Environmental Engineering Department** Worcester, MA
Peer Learning Assistant: collaborated with faculty to grade student assignments

May 2003 – Aug. 2004 **Subway** Rocky Hill, CT
Sandwich maker: customer service, preparing food, and responsible for opening and closing store and training employees

Nov. 2001 – Jan. 2003 **LeFoll & LeFoll, Attorneys at Law** Rocky Hill, CT
Office Assistant/Clerk: performed general office and reception duties; used Microsoft Word & Excel

COMPUTER SKILLS

AutoCAD, PRIMAVERA, Microsoft Word 95 98 03 XP, Power Point, Excel, CADkey

HUAJING WEN
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OBJECTIVE:

Entry-level (either Full Time or Internship) Environmental Engineer

EDUCATION:

Master of Science, Environmental Engineering

Worcester Polytechnic Institute, Worcester, MA GPA 3.76

May, 2006

Bachelor of Science, Chemistry Analysis

Beijing University of Chemical Technology, Beijing ,China GPA 3.3

July, 2000

COURSE PROJECTS:

Design of Drinking Water Treatment Plants: Discuss the water quality, the major unit processes and their associated parameters and seasonal variability issues. Justify for selection of treatment processes. Provide detailed information and calculations about coagulation process, for example, hydraulic loading and coagulant dose, etc.

Design of Wastewater Treatment Facility: Discuss the characteristics of wastewater and effluent quality. Design equalization, neutralization and conventional activated sludge processes in details.

Simplified Modeling for Waste Load Allocations: Determine stream geometry, and use the extended Streeter Phelps equations to predict stream DO based on the sensitivity analysis.

EXPERIENCE:

Research Assistant, Dept. of Civil & Environmental Engineering, WPI

Aug., 2005 – Present

Master's project: Develop the analytical method of SPME followed by derivatization and GC/FID. Evaluate the removal of estrogens from water by adsorption on zeolite and activated carbon. Make adsorption isotherm. Apply advanced oxidation to regenerate the adsorbents.

Research Assistant, Dept. of Civil & Environmental Engineering, WPI

Summer, 2005

USGS project: Study nutrients transportation in groundwater. Collect surface water and groundwater samples in field. Analyze nutrients such as total and reactive phosphorus, nitrate and ammonium by spectrophotometer.

Office Assistant, University Relations, WPI

May, 2004 – Jun., 2005

Filing, searching information and other miscellaneous duties.

Research Assistant, Dept. of Civil & Environmental Engineering, WPI

Summer, 2004

Conduct *E-Coli* cultivation, disinfection and enumeration experiments through aseptic technique. Optimize the disinfection conditions such as the dose of the disinfectant Lemon juice and the time needed.

Instructor, Dept. of Chemistry, Chaohu College, China

Jul., 2000 – Dec., 2003

Instructing Physical Chemistry and Physical Chemistry Laboratory. Academic advisor.

PROFESSIONAL ACHIEVEMENT: EIT Certification (Passed the October 2005 FE examination.)

PROFESSIONAL ASSOCIATION: Member of Water Environment Federation (WEF)

COMPUTER SKILLS: AutoCAD. Microsoft Word, Excel and PowerPoint.

