
Resume Packet

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Hunter Bennett-Daggett

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Objective	Obtain an entry-level position in the environmental engineering field that will allow professional development and benefit society.		
Education	Worcester Polytechnic Institute Civil and Environmental Engineering		Expected Graduation May 2005 4.0 GPA on 4.0 scale
Classes	Fluid mechanics, hydraulics, hydrology, water and wastewater treatment, environmental engineering laboratory, surveying, soil mechanics, thermodynamics, urban planning, environmental biology, materials of construction, wood design, AutoCAD		
Project Experience	Title: "Facilitating Fish Passage on the Quinapoxet River" Type: Senior design project, three course equivalent Description: Researching options for fish passage that will minimize negative environmental impacts. Working with small team to select a suggested option based on hydraulic analyses of the river and dam, culminating in specific design recommendations for selected method. Title: "Determining Bubble Characteristics Using a Four-Point Optical Probe" Type: National Science Foundation-sponsored independent research project Description: Researched use of optical techniques for use in bubble column reactors and helped develop methods to test optical probes at high pressure in supercritical fluids. Conducted preliminary feasibility studies of probe for possible industrial and institutional use. Title: "Live/Work Site Analysis for the London Borough of Merton." Type: Interdisciplinary project, three course equivalent Description: Worked with small team to research alternative housing options by visiting existing sites and interviewing experts. Results were compiled in a technical report and presented to planning officials.		
Work Experience	Summer 2004 – Washington University, St. Louis, Missouri Description: Assembled and tested high-pressure bubble column reactor in chemical engineering research laboratory. Skills: Technical writing/presentations, laboratory procedure, interdisciplinary work Summer 2003 – LDC Design Group, Inc., Hillsboro, Oregon Description: Worked with engineers and other staff at land development firm, assisting with office and field work and meeting with clients. Skills: Simple drafting, project management, administrative and clerical work Summer 2002 – Express Personnel Services, McMinnville, Oregon Description: Completed various temporary positions in light industrial and institutional situations. Skills: Adaptation to new work environments, quickly acquiring new job abilities		
Activities and Leadership Experience	Varsity Cross-Country Team	2001 to 2004	Captain 2003 and 2004
	Varsity Track Team	2002 to 2005	Captain 2004 and 2005
	Chi Epsilon, Civil Engineering Honor Society	2004 and 2005	President 2004 and 2005
	Student Athletic Advisory Council	2004 and 2005	

SUDIP BHATTACHARJEE

Current Address

46 Park Avenue
Worcester
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Ph: 508-755-5331

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OBJECTIVE

Perform research oriented studies in the area of analysis and design of structural systems and characterization of materials in civil engineering

SUMMARY OF QUALIFICATIONS

Numerical and analytical skills to model nonlinear behavior of structural systems and materials. Established track record of successful research in the area of application of *finite element* analysis with *publications* in international journals and conferences. Performed research in the area of geometric nonlinear analysis of structures under *earthquake* excitations. Established new protocol of fatigue testing of viscoelastic material (*Hot Mix Asphalt*) under moving load through laboratory tests and finite element modeling.

SKILLS

- Theoretical knowledge of linear and nonlinear FE analysis and finite difference analysis
- Six years of experience of developing FE codes in IBM/SUN/HP Unix Workstation and Windows[®] environments with MATLAB[®], FORTRAN 77 and 90
- Application of nonlinear FEM in structural and nonstructural problems
- Modeling material nonlinearities using FEM
- Modeling structural geometric nonlinearities using FEM
- Modeling and analysis of flexible structures such as cable supported structures under earthquake load using FEM
- Numerical solution of PDE in the application of ground water flow problems, heat transfer and CFD
- Impact analysis using FE with LS-DYNA[®] and TRUE GRID[®] software
- Knowledge of ABAQUS[®] Standard software in nonlinear FE analysis

EXPERIENCE

- **Project Experience**
 - **PhD Dissertation:** Use of Accelerated Loading Equipment for Fatigue Characterization of Hot Mix Asphalt in Laboratory (2001-2004)
 - **Research Assistant:** Evaluation of Permeability of Superpave Mixes (Funded by: New England Transportation Consortium) (2001-2002)
 - **Research Assistant:** Moisture Susceptibility Testing (Funded by: Massachusetts Port Authority) (2003)

- **Research Assistant:** Effect of Density of HMA On Its Fatigue Performance (Funded by: New England Transportation Consortium) (2003-2004)
- **Research Assistant:** Modeling of structures composed of different layers with different properties - analysis of such structures to investigate dynamic stresses and strains under moving wheel load (2004)
- **Research Assistant:** Nonlinear stress/strain analysis due to moving load using finite elements with viscoelastic and hyperelastic modeling (2003-2004)
- **MS Dissertation:** Effect of Cable Nonlinearity on Dynamic Response of Suspension Bridges Due to Earthquake Excitations (1998-2000)
- **MS Project:** Investigated the effect of nonlinear geometric behavior of cable of suspension bridges under multiple support earthquake excitations (1998-2000)
- **MS Project:** Developed nonlinear finite element code for simulation of construction process of suspension bridges (1998-2000)
- **PhD Curriculum Project:** Solved classical benchmark problems of CFD, such as driven cavity problem, Euler equations and Navier-Stokes equations using staggered grid, mach method in velocity pressure form, Lax-Wendroff method and transformed coordinate analysis (2002)
- **Teaching Assistant** in Department of Civil Engineering at Worcester Polytechnic Institute for the following courses: *Material of Construction, Design of Pre-stressed Concrete Structure, Asphalt Technology, Introduction to Civil Engineering and Computers.* (2001-2003)
- **Special Training on College Teaching:** Taken a special course on college teaching, which includes development of teaching philosophy, teaching portfolio, methods of effective teaching, syllabus construction and course development. (2004)
- **Design Engineer:** Worked at Technology Development Center in Calcutta, India – design of steel and concrete structures and development of software for analysis and design of raft foundations. (1997-1998)

PUBLICATIONS

- **Bhattacharjee S.**, Gould J., Mallick R. B. and Hugo F. “Use of MMLS3 Scaled Accelerated Loading for Fatigue Characterization of Hot Mix Asphalt in the Laboratory”. Accepted for presentation and publication in the proceedings of the Second International Conference on Accelerated Pavement Testing, Sep 2004, Minneapolis, MN.
- **Bhattacharjee S.**, Gould J., Mallick R. B. and Hugo F. “An Evaluation of Use of Accelerated Loading Equipment for Determination of Fatigue Response of Asphalt Pavement in Laboratory”. Accepted provisionally for publication in the International Journal of Pavement Engineering.
- Mallick R. B, Gould J. and **Bhattacharjee S.** “Development of A Rational Procedure for Evaluation of Moisture Susceptibility of Asphalt Paving Mixes”. Presented at the Annual Meeting of the Transportation Research Board, January 2003, Washington, DC.
- **Bhattacharjee S.** and Mallick R. B. “An Alternative Approach for the Determination of Bulk Specific Gravity and Permeability of Hot Mix Asphalt (HMA)”. International Journal of Pavement Engineering, 2002, Vol3, pp143-152
- **Bhattacharjee S.** and Ramaswamy A. “Effect of Cable Nonlinearity on Response of Suspension Bridges to Earthquake Excitations”. Proceedings of National Symposium on Applications of Structural Dynamics to Design, Edited by Dr. R. Narayanan and Dr.

T.V.S.R.A. Rao, Structural Engineering Research Center, Chennai, India, January 9-11, 2001, pp151-158.

GRADUATE COURSE WORKS

- **PhD courses**
 - Pavement Analysis and Design – Highways and Airports (3 credits)
 - Permeability of HMA (3 credits)
 - Computational Methods for Partial Differential Equations (3 credits)
 - Scaled Pavement Tests (3 credits)
 - Probability and Mathematical Statistics (3 credits)
 - Computational Fluid Dynamics (3 credits)
 - Impact Analysis and Structural Crashworthiness (3 credits)
 - Pavement Thickness and its Effects on Performance (3 credits)
 - Advanced Dynamics and Vibrations (3 credits)
 - Pavement Materials (3 credits)
 - PhD Dissertation (30 credits)
 - College Teaching (2 credits)

- **MS courses**
 - Solid Mechanics (3 credits)
 - Finite Element Structural Analysis (3 credits)
 - Structural Dynamics (3 credits)
 - Mathematical Methods – Linear Algebra, ODE, PDE, Numerical Analysis (3 credits)
 - Finite Elements in Structural Dynamics (3 audits)
 - Advanced Bridge Engineering (3 audits)
 - Random Vibrations and Wavelet Analysis (3 audits)

EDUCATION

- **PhD (Fall 2004, expected)**
Department of Civil and Environmental Engineering, Worcester Polytechnic Institute (www.wpi.edu), Worcester, MA, 01609
- **Master of Science (2001)**
Department of Civil Engineering, Indian Institute of Science (www.iisc.ernet.in), Bangalore, India
- **Bachelor of Engineering (1997)**
Department of Civil Engineering, Jadavpur University (www.jadavpur.edu), Calcutta, India

PROFESSIONAL AFFILIATION

- Member of American Society of Civil Engineers (ASCE)
- Member of Transportation Research Board (TRB)

Chase Cote

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ccote@wpi.edu

Permanent Address

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Concord, NH 03301

Current Address

4 Dayton St
Worcester, MA 01609

OBJECTIVE

A position in Construction Project Management which utilizes my work experience and education in Civil Engineering.

EDUCATION

Worcester Polytechnic Institute, Worcester, MA

Bachelor of Science, Civil Engineering, May 2005, GPA 3.05

Related Coursework:

Construction Project Management, Cost Estimating and Project Scheduling, Reinforced Concrete Structures, Wood Design, Architectural Engineering Systems, Surveying, AutoCAD, Soil Mechanics, Transportation Engineering, Urban and Environmental Planning, Analytical Mechanics

PROJECTS

Senior Major Qualifying Project (MQP) - 3 course equivalent, Worcester, MA

Team of two students focused on the construction of the New Worcester Courthouse in conjunction with Gilbane Building Company. Overseeing the project management of the courthouse as well as, aspects of design, scheduling, cost estimating and cost control of construction.

Junior Interdisciplinary Qualifying Project (IQP) - 3-course equivalent, Bangkok, Thailand

Team of three students developed a plan for the utilization of water resources in Nong Din Dam, a rural village in northeast Thailand. Assessed the agricultural water needs and water capacity of the village using GPS satellite technology and GIS mapping. Then developed an educational plan for the proper utilization of the water resources in the village.

COMPUTER SKILLS

Misc. Packages: Primavera, AutoCAD, Microsoft Office suite, Word, Excel, Access, Power Point

EXPERIENCE

Summers 2004, 2003 New Hampshire Department of Transportation, Concord, New Hampshire

Engineering Aide

Assisted contract administrators with daily activities. Inspected of work, supervised and interacted daily with contractors, prepared of payment estimates, and performed materials testing. Worked primarily, but not exclusively with reinforcing steel and concrete contractors, on various road and bridge projects.

Summers 2002, 2001, 1999 Concord Steam Corporation, Concord, New Hampshire

Maintenance Staff

Involved in the day-to-day operation and maintenance of a steam and power generation plant. Skills gained include welding, construction equipment operation, and plumbing/pipe fitting.

ACTIVITIES

Member Sigma Phi Epsilon Fraternity (2001-present), Varsity Football Team (2001-Present), Club Lacrosse Team (2001-Present)

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Mailing Address:
PO Box 188
Charlton, MA 01507
Cell: (508) 963-3628

PROFILE

Entry level, Full-time position in Civil Engineering.
Major interests include AutoCAD and becoming a Professional Engineer.

EDUCATION

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

COURSEWORK

Structural Engineering	Architectural Engineering
Analytical Mechanics I & II	Analysis & Design
Civil Engineering Auto CAD	Soil Mechanics
Construction Management	Reinforced Concrete Structures
Geology	Construction of Steel Design
Surveying	Highway Design
Project Management	

Fundamentals of Engineering Test (FE/EIT) passed in 2004

PROJECTS

Major Qualifying Project (MQP) –

Three course equivalent Completed- (2004)

- Experience pre-site development first hand
- Design options for a building in the development

Interactive Qualifying Project (IQP) –

Three course equivalent Completed- (2002)

- Analyzing the social impact of certain degrees of church renovations
- Producing cost analysis and estimates for entire parish

EMPLOYMENT

Taylor Rental **Auburn, Massachusetts** (2001-Present)

- Oversee the daily operations of business
- Maintain and repair equipment

E T & L Corp **Stow, Massachusetts** (2004)

- Cost Estimation/ Quote Retrieval
- Scheduling (Primavera)
- IN-Site for Site Work (Digitizing)
- AutoDesk Land Development and AutoCAD

Modern Manufacturing **Worcester, Massachusetts** (2003- 2004)

- Train employees to use EXCEL and CAD programs
- Work with AutoCAD to create shop drawings
- Assist in modernizing the system of operations

Stock-To-Finish **Charlton, Massachusetts** (2001 - 2002)

- Assistant Sub-Contractor
- Construction in residential and industrial buildings

ACTIVITIES

Varsity Baseball

- Four Year Letterman

Student Athlete Advisory Council (SAAC)

- SAAC-Promotes student and community involvement with WPI sports

American Society of Civil Engineers (ASCE)

- Student Chapter

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REFERENCES

John Dipilato	Taylor Rental (Owner) 693 Southbridge St. Auburn Ma 01501	508-832-6387
Gary Balboni	E T & L Corp (V.P.) 873 Great Rd. Stow, Ma 01775	978-897-4353
Rick Uras	Modern Mfg. (Owner) 12 Brussels St. Worcester, Ma 01610	508-791-7151
Chris Robertson crob@wpi.edu	WPI (Baseball Coach) 100 Institute Rd. Worcester, Ma 01609	508-831-5100

Roberto Farnese

81, Park Avenue apt. 20 Worcester , MA 01605
Tel. 508-752-7348
ilfarna@wpi.edu

Objective

- A challenging entry-level position integrating Impact Engineering, Manufacturing Engineering and Aerospace Structures.

Summary

- Skilled at learning new concepts quickly, communicating ideas clearly and effectively, working well under pressure and within a team.
 - Languages: Italian (native language), English (fluent, including "TOEFL" certification), French (beg.), Spanish (beg.)
 - Enthusiastic and experienced in overseas travel.
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Education

- Master of Science, Impact Engineering May, 2005
Worcester Polytechnic Institute, Worcester, MA
Related advanced courses: Impact Strength of Materials, Tissue Mechanics, Advanced FEM.
- Master of Science, Aerospace Engineering Oct, 2005
Politecnico di Milano, Milano, Italy
Concentration in Aerospace Structures and Materials.
Related advanced courses: FEM for Aeronautical Structures, Applied Aeroelasticity, Aeronautical Materials.
- Completion of a one year Exchange Program in Aerospace Engineering 2003
TU-Delft, Delft, The Netherlands
Concentration in Aerospace Structures, Materials and Production Technology.
Related advanced courses: Structural Design of Composite Aircraft, Fatigue in Structures, Manufacturing.
Related Projects: New Concepts for a Composite Tail-Plane (Airbus).
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Career History & Accomplishments

- Civil Engineering Department , Research Assistant to the Impact Engineering Program 2004-2005
Worcester Polytechnic Institute, Worcester, MA
- Main Program: Development of a finite element model of the Knee-Thigh-Hip, sponsored by the National Highway Traffic Safety Administration's (NHTSA) Office for Biomechanics and Trauma.
 - Slow-rate Load Test and Finite Element Simulation of an Aluminum New Jersey Barrier Upper Truss Core Panel.
- Commercial and Technical Assistant to the President 2002-2004
MVP Italia, Trezzano s/N, Italy
- Assisted in preparing contracts and sales proposals for customers.
 - Assisted in technical support.
 - Assisted in web site development.
- Management Assistant to the organization of events and meetings 2003-2004
SASA, Milano, Italy
- Assisted as a public relations officer and steward (Teatro Alla Scala, Fiera Milano).
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Technical Skills

- Software: LS-Dyna, Nastran-Femap, Truegrid, Ansys, Ms Excel, Ms Word, Matlab, C, Afgrow, LabView.
-

Hobbies and Interests

- Actor in a small acting company.
- Aircrafts, motorbikes, soccer.
- Piano, drums, guitar.

ANDREW B. FRANK
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Job Objective: To obtain a professional position in construction project management.

Education

B.S. Civil Engineering, June 2005
Worcester Polytechnic Institute, Worcester, MA
Emphasis: Structural

- Maintained 3.88 GPA.
- Course Highlights: Analytical Mechanics I, II, Intro to Analysis and Design, Urban & Environmental Planning, Construction Project Management, Surveying, Design of Steel Structures, Structural Engineering, Materials of Construction, Fluid Mechanics, Prestressed Concrete Design, Soil Mechanics, Design of Reinforced Concrete Structures, Business Law and Ethics, Professional Practice, Cost Estimating, Special Problems: Building Buildings.
- Completed Major Qualifying Project: Study of Structural Support Systems

B.S. Applied Physics, June 2003
Providence College, Providence, RI

- Maintained 3.72 GPA.
- Participant in Liberal Arts Honors Program.
- Member of National Society of Collegiate Scholars.
- Achieved Dean's List every semester.

Experience

Maquire Group, Inc., Providence, RI
Intern, Highway Section
May 2002 - Present

- Used AutoCad extensively in design and in the development of plan drawings.
- Gained familiarity with the problems facing civil engineers and civil engineering companies in practice.
- Became proficient in the use and development of plan sets.
- Gained experience in gathering field data efficiently.
- Worked as part of a team on many projects, including the relocation of the I-195 interchange.
- Learned use of estimating software *QuestPro*

Special Skills

- Proficient in use of Microsoft Word, Excel, Powerpoint, AutoCAD 2004, SAP2000, Estimating Software.

- Works well individually or as part of a team.
- Motivated and dedicated individual.

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Jonathan S. Gould

OBJECTIVE

- ∨ Construction/Transportation engineer leading to a career in management and a PE.

EDUCATION

Worcester Polytechnic Institute

Worcester, MA

Masters of Science, Civil Engineering

May, 2005

- ∨ Emphasis in project management.
- ∨ EIT, May, 2005

Bachelor of Science, Civil Engineering

May, 2004

- ∨ Graduated with High Distinction.
- ∨ Concentrated in transportation engineering.
- ∨ Provosts Major Qualifying Project Award.
- ∨ Relevant Coursework:

Surveying & Control Surveying s Auto CAD (2002) s Architectural Engineering Systems
Pavement Analysis & Design of Highways & Airports s Highway Engineering & Planning
Foamed Asphalt Design s IT Project Management s Adv. Project Management

ACADEMIC PROJECTS

Senior Major Qualifying Project

April, 2003

“Selection of the Best Hot Mix Asphalt Paving Material and Mixture for Logan Int. Airport”

The goal was to select the best rut-resistant mix for paving taxiways, alleyways, and runways at Logan International Airport in Boston, MA. Pavement cores were taken of five different pavement systems currently being used at Logan and I prepared and tested. Results were then analyzed and a report with recommendations provided to the Massachusetts Port Authority. The paper was presented at the ASCE 2003 Airfield Pavement Specialty Conference in September, 2003.

Junior Independent Qualifying Project

April, 2004

“Effective Teaching for Today's Society – Hybrid Teaching”

The objective of this project was to explore the effectiveness of learning by using a combination of online learning combined with traditional classroom environment. The goal was to illustrate the advantages of using hybrid teaching in today's society. I performed an in-depth literature review of both methods and analyzed the advantages and disadvantages of the two techniques. A report was then prepared detailing a combination model that best fits the 7-week engineering course structure at Worcester Polytechnic Institute.

COMPUTER SKILLS

- ∨ Proficient in mechanical drafting, AutoCAD 2002 and 2004, Labview, Matlab, Primavera, Microsoft Word, Excel, PowerPoint, and Project, MS DOS, Windows 3.1/95/98/2K/XP.
- ∨ Experienced in building, repairing, and troubleshooting computer hardware and software.

WORK EXPERIENCE Worcester Polytechnic Institute Worcester, MA

Pavement Research Assistant (Graduate & Undergraduate) 2000-Present

- ∨ Supervise and coordinate the work of six undergraduate students and work with 2 PhD students for day to day operation of an accelerated testing facility and research work for a number of sponsors at the Pavement Research Laboratory, Civil & Environmental Engineering Department, Worcester Polytechnic Institute.
- ∨ Conduct field research and work with agency/state DOT personal (Maine, New Hampshire, Massport) in various research projects.
- ∨ Provide research/evaluation of products and mixes for a number of private companies.
- ∨ Conducting laboratory experiments, assisting in the development of theoretical advances related to research projects, conducting literature reviews and assisting in publications and presentations as well as maintenance and operation of the Pavement Research Laboratory.

Consulting – Infrasense, INC Arlington, MA 2004

- ∨ Offered experienced analysis expertise for determining pavement layer thickness and type in an Oklahoma statewide road thickness project using ground penetrating radar.

Consulting – Massachusetts Port Authority Boston, MA 2003 - Present

- ∨ Providing experienced testing and analysis for determining pavement qualities through the use of non-destructive testing techniques.

Construction and Inspection Services – AHI/AHR Bethel, ME 1996 – Present

- ∨ Provide part-time construction and inspection services for residential properties. Home inspection services reports with a certified home inspector and developed for the home owners and insurance companies. Perform architectural planning, framing and finish carpentry.

EMS/Dispatcher – Worcester Polytechnic Inst. Worcester, MA

- ∨ EMT providing emergency care to community members at Worcester Polytechnic Institute, basic life support (BLS) and CPR certified. **2000 - 2003**
(Volunteer)
- ∨ Dispatcher providing logistics and support for WPI Police and coordination of emergency personnel supporting WPI's emergency response units. **2000 - 2001**
(Part-time)

Ski Patrol/Instructor– American Skiing Co. Bethel, ME

- ∨ Mountainside rescues of injured skiers, emergency care, search and rescue, lift evacuation, mountaineering, and toboggan handling. **1998 - 2001**
(Volunteer)
- ∨ Instruction and training of skiers and boarders between 4 and 16 using the Perfect Turn® Learning Method. **1996 - 1998**
(Part-time)

CERTIFICATIONS

Certified Hot Mix Asphalt Plant Technician NETTCP March, 2002

PROFESSIONAL MEMBERSHIPS

- ∨ American Society of Civil Engineers – Student Member **2000 - Present**
- ∨ Design/Build Institute of America – Student Member **2002 - Present**
- ∨ American Society for Testing and Materials – Student Member **2002 - Present**
- ∨ Transportation Research Board – Student Member **2002 - Present**
- ∨ Nationally Registered Wilderness EMT-B **1998 - 2002**

PUBLICATIONS

- ∨ Gould, J.S. (2000-2005). Pavement Research Laboratory Website. <http://pavement.wpi.edu>
- ∨ Gould, J.S. (2001). Use of Alternative Bulk Specific Gravity Testing Procedure for Estimation of Air Voids and Interconnectivity of Air Voids in Dense Graded Hot Mix Asphalt.
- ∨ Gould, J.S. (2002). A Study of Engineering Properties of Pavement Materials.
- ∨ Gould, J.S. (2002). Foamed Asphalt Mix Design in Recycling of Pavements.
- ∨ Gould, J.S., Nanagiri Y., Mallick, R.B, Brown, E.R. (2003). Determination of N_{design} for Low Volume Road Hot Mix Asphalt Mixes. *Presented at the 82nd Transportation Research Board Annual Meeting.*
- ∨ Gould, J.S., Marquis, B., Colson, S., Mallick, R.B., Nanagiri, Y., Marshal, M. (2003). Design, Construction, and Early Performance of Foamed Asphalt Full Depth Reclaimed Pavement in Maine. *Presented at the 82nd Transportation Research Board Annual Meeting.*
- ∨ Gould, J.S., Mallick, R.B., Bhattacharjee, S., Regimand, A. (2003). Development of a Rational Procedure for Evaluation of Moisture Susceptibility of Asphalt Paving Mixtures. *Presented at the 82nd Transportation Research Board Annual Meeting.*
- ∨ Gould, J.S. (2004). Effective Teaching for Today's Society – Hybrid Teaching
- ∨ Bhattacharjee, S., Gould J.S., Mallick, R.B., Hugo, F. (2004). Use of MMLS3 Scaled Accelerated Loading for Fatigue Characterization in the Laboratory. *2nd International Conference on Accelerated Pavement Testing.*

PRESENTATIONS

- ∨ Gould, J.S., Geoffroy, N.A., and Baxter, P. (2003). Selection of the Best Hot Mix Asphalt Paving Material and Mixture for Logan International Airport. *Presented at the 2003 ASCE Airfield Pavement Specialty Conference*
- ∨ Gould, J.S., Nanagiri, Y., Mallick, R.B., Crockford, W. (2003). Evaluation Use of Rapid Triaxial Test in Quality Control of Hot Mix Asphalt. *Journal of Transportation Research No. 1832. Presented at the 82nd Transportation Research Board Annual Meeting.*
- ∨ Buchanan, M.S., Moore V., Mallick R.B., O'Brien S., Regimand, A. (2004). Accelerated Moisture Susceptibility Testing of Hot Mix Asphalt (HMA) Mixes. *Presented at the 83rd Transportation Research Board Annual Meeting.*
- ∨ Hooper, F.P., Mallick R.B., O'Brien S., Mohsen, K. (2004). Evaluation of Use of Synthetic Lightweight Aggregate in Hot Mix Asphalt. *Presented at the 83rd Transportation Research Board Annual Meeting.*
- ∨ Bhattacharjee, S., Gould, J.S., Mallick, R.B, Hugo, F. (2004). An evaluation of Use of Accelerated Loading Equipment for Determination of Fatigue Response of Asphalt Pavement in the Laboratory. *Presented at the 84th Transportation Research Board Annual Meeting. Published in the International Journal of Pavement Engineering.*

James Hannigan
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Worcester, MA 01609
781-351-9374

Objective: A position utilizing my civil engineering background **gained** at Worcester Polytechnic Institute.

Experience: New England Design Associates Worcester, MA
Project Manager Assistant December 2003 to May 2004
School year internship, working directly under the Project Managers. Duties include: handling all shop drawings received by the office, sending out plans and shop drawings to developers and contractors, requesting, receiving, and organizing all bids for all preliminary jobs, compiling and organizing close out documents for all jobs, and conducting research for project development at cdcnews.com. **do you need to include the site? I wouldn't know what it is, but will other people?** Responsible for general office upkeep, reception, and receiving incoming calls **each day** . Responsible for updating and maintenance of digital card catalog and drawing logs.

Furness Building and Framing Abington, MA
Skilled Laborer June 1999 to Present
Summer employment as a Skilled Laborer, working directly and independently under the Job Site Foreman. Duties include: handling lumber and assisting carpenters in all aspects of wood framing, assisting in setting of windows and doors, including installation of hardware, receiving and off loading of building materials, job site preparation, including acquiring tools needed to perform carpentry tasks, maintaining a clean jobsite, picking up all tools and equipment, and securing job site each day.

Worcester Polytechnic Institute Worcester, MA
Office Assistant September 2001 to Present
Office assistant in Chemical Engineering Department. Duties include: handling incoming calls, reception, filing, and various photocopying tasks, including photocopier maintenance. Responsible for set up of technical components of guest speaker and professor presentation. Annually responsible for organization and compiling Senior Exit Survey results. Overall technical support provider for the office. Responsible for organizing manuscripts for

publishing in Microporous and Mesoporous Materials Journal
italicize journal?

Education: Worcester Polytechnic Institute Worcester, MA
Year of Graduation 2005

- Completed six semesters in pursuit of Bachelor's Degree in Civil Engineering
- Completed Interdisciplinary Qualifying Project in Venice, Italy, entitled, "Preservation and Restoration of Venetian Public Art: From the Completion of the Public Art Catalog to the Active Retoration Process."
- Finished in top ten of all project submitted in 2003 receiving Honorable Mention for "Preservation and Restoration..."
- Major Qualifying Project entitled "Design and Development of a New Dormitory at Worcester Polytechnic Institute" currently in progress.
- Studied various Civil Engineering courses in various fields including Structural, Geotechnical, Transportation, and Urban and Environmental Planning
- Studied in advanced classes including three graduate level courses in Civil Engineering

Boston College High School Boston, MA
High School Diploma 2001

Boston College High School is a private, Jesuit high school for young men. It offers Honors and Advanced Placement college-level courses, opportunities I took advantage of during all four years.

- Completed 150 Hours of community service at South Shore Hospital
- Inducted into prestigious National Honors Society
- Headed Boston College High School chapter of Amnesty International, and received Amnesty international Award
- Studied in Advanced Placement Calculus AB and BC, receiving 5 out of 5 on the AP Tests and the Senior Award for Excellence in Calculus BC

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(516) 431-6302

OBJECTIVE To obtain permanent entry-level position with a company that will foster professional growth through independent and collaborative work in the fields of business, management, or operations.

EDUCATION **Worcester Polytechnic Institute**, Worcester, MA
Bachelor of Science, Management Engineering
Anticipated Graduation, May 2005
Overall Estimated GPA: 3.0
Major Estimated GPA: 3.5

RELEVANT COURSES	ACC 1100 – Financial Accounting	ACC 2101 – Management Accounting
	FIN 2200 – Financial Management	OIE 3405 – Work Systems & Facility Planning
	OIE 2500 – Mgt. Sci.: Deterministic Decision Models	MKT 3600 – Marketing Management
	OIE 3400 – Production System Design	MIS 3700 – Information Systems Management

WORK EXPERIENCE

Research Assistant May – August 2004
Worcester, MA
Worcester Polytechnic Institute – Department of Civil and Environmental Engineering

- Multitasked on different research projects with a prioritization of time sensitive reports and results
- Conducted experiments on asphalt samples, e.g., modulus, percent voids, stress, dynamic load application
- Catalogued data and ensured availability for professors and researchers

Engineer's Assistant May – August 2003
Hempstead, NY
The Town of Hempstead – Department of Engineering

- Independently inspected highway construction for pay authorization
- Inspected asphalt and concrete work to ensure conformity to rigorous guidelines set by the county
- Handled complaints, requests, and inquiries from residents surrounding job site
- Attended utilities meetings on site with contractors, utility representatives (e.g., LIPA, Verizon) and Town inspectors

Resident Advisor August 2002 – December 2003
Worcester, MA
Worcester Polytechnic Institute – Residential Services Office

- Develop community by programming events and social functions
- Trained to mediate and control conflicts of bias – race related, lifestyle
- Counsel residents on inter-personal conflicts, academic difficulties and time management issues
- Trained to identify personal challenges in residents – eating disorders, depression, alcohol or drug abuse

Senior Student Web Developer September 2001 – Present
Worcester, MA
Worcester Polytechnic Institute – Web Development Office

- Manage various Web sites for WPI's eighteen academic departments and five administrative divisions
- Proofread own work before making it live on the university Web site
- Communicate with staff and faculty concerning updates and the general status of their websites

LEADERSHIP EXPERIENCE

Treasurer, The WPI Social Committee January 2003 - Present

- Advise eight committees in budgeting events effectively
- Draft and revise budget process for following year
- Manage the Social Committee's quarter-million dollar budget
- Maintain detailed reports of day to day financial activity

Senator & Assistant Treasurer, Student Government Association August 2001 - Present

- Serve as chair of the committee which appropriates funds for over 30 student organizations
- Assist organizations in securing funds for supplemental programming
- Represent a constituency of eighty undergraduate students in general senate meetings
- Review and recommend changes to the University's academic policy to faculty and administrators

TECHNICAL SKILLS

Software Applications: AutoCAD, Microsoft Office – Word, Excel, Access, PowerPoint
Advanced Skills in Excel: routing, optimal solutions (e. g., minimize resources, maximize profit)

Current Address

Worcester Polytechnic Institute
11 Ormond Street
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Cell Phone: 207-590-6204

Permanent Address

7 Deer Run Drive
Buxton, Me 04093
Home: 207-929-4134
E-mail: jledue93@wpi.edu

Joseph Michael Ledue**MISSION**

I am a young, motivated and creative engineer. I excel under pressure, work well with people and take initiative.

STATEMENT

All assigned tasks are completed quickly, impeccably, and professionally. When working with groups, I bring new ideas, exceed expectations, clear communication and maintain group responsibility and leadership throughout the development process.

EDUCATION

-
- **Worcester Polytechnic Institute** – Worcester, MA 2004
 - Bachelor of Science, Mechanical Engineering (anticipated graduation May 2005)
 - **Major Qualifying Project (MQP)** – Designing and constructing the control systems for a Formula SAE car, which will be judged in static and dynamic events in Detroit, Michigan at the 2005 FSAE competition.
 - **Interdisciplinary Qualifying Project (IQP)** – “Feasibility Study of a Solar Learning Lab™ at WPI”: Explored the concept of installing a solar panel system at WPI to promote sustainable energy education. Our group interviewed much of the president’s cabinet, faculty members, and members of plant services management team to work towards having a system approved for installation. This effort resulted in the installation of a 1.5 kW solar panel array on Morgan Hall. The system’s data collector is linked to the WPI Network and is currently being worked into WPI and local area school’s curricula.

WORK EXPERIENCE**SGC Engineering LLC** – Westbrook, ME

Summer 2004

- Engineered sanitary sewer systems, building systems and wastewater treatment facilities
- Performed ALTA/ACSM, boundary, topographic, route, as-built and construction surveys using a total station
- Drafted site plans, subdivisions, sanitary sewer systems, wastewater treatment plants and building concepts
- Created professional correspondences to be sent to owners, architects, engineers, distributors, manufacturers, and contractors
- Created professional storm water management reports
- Developed skills required in all professional engineering environments

Durkee Builders Inc – Standish, ME

Summer 2003

- Framed an architecturally and structurally complex 4,000 SF house with a master builder
- Analyzed structural engineering, architectural and mechanical drawings for construction activities
- Implemented modern building techniques using superior tools and equipment
- Installed the most technically advanced and energy efficient residential plumbing, heating and cooling systems
- Gained a working knowledge of the design bid build method of project delivery and the importance of project scheduling

Carter Design Group – Buxton, ME

Summer 2002

- Performed preliminary site work surveys for residential landscape and construction applications
- Responsible for executing all construction activities for million-dollar landscaping contracts along the coast of Maine
- Developed advanced horticulture skills specifically in specialized plant installations
- Constructed structurally free standing and retaining rock and keystone walls
- Responsible for the safe operation of \$150,000 worth of trucks and heavy machinery on site, on highways and in pits

Odonal’s Nurseries – Gorham, ME

1997- 2002

- Executed the operation, maintenance and service of heavy machinery and farm equipment with precision and accuracy
- Advised customers in plant selection while gaining customer skills in wholesale and retail sales
- Maintained over 10,000 different varieties of trees, shrubs, and flowers in the nursery and in the fields
- Designed and installed multiple hi-flow irrigation systems in the nursery and in the fields
- Certified for pesticide/ herbicide application to aid in the cultivation of healthy products
- Developed mechanical skills and knowledge of mechanical systems involved in commercial applications

TECHNICAL SKILLS

-
- **Operating Systems:** UNIX/LINUX, Windows 95/98/NT/2000/XP
 - **Software:** AutoCAD (LDD, Civil Design, Survey Pro, Mechanical Desktop), Pro/Engineer, Cad Key 21, LabVIEW, ANSYS, Primavera, Microsoft Office Professional

LEADERSHIP AND ACTIVITIES

-
- Sigma Phi Epsilon Fraternity (2001 - Present)
 - WPI Motor sports Club (2001 - Present)
 - Football, racquetball, rugby, tennis, golf, guitar (2001 - Present)
 - Community Service: Support our Troops Fundraising, Habitat for Humanity and Toys for Tots (2001 - Present)

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(508) 245-3124

Anthony Maglione

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Permanent Address:
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Oxford, MA 01540
(508) 987-3907

Objective	A Civil Engineering position focusing in Structural Design or Construction Management.	
Education	WORCESTER POLYTECHNIC INSTITUTE, Worcester, MA	May 2005
	Bachelor of Science, Civil Engineering with a concentration in Structural Design Engineering.	
	OXFORD HIGH SCHOOL, Oxford, MA	June 2001
	§ Graduated in the top 25% of class with Honors.	
Projects	Senior Major Qualify Project (MQP) Wilson Language Center Project § Currently designing site plans, structural drawings, and developing cost estimations for the Wilson Language Center being built in Oxford, MA.	
	Junior Interdisciplinary Qualifying Project (IQP) – Higgins Armory Museum The Arms and Armor of West Africa § Successfully developed a data base and web site for over one-hundred artifacts. Also, cataloged and analyzed the artifacts for the Museum.	
Work Experience	Town of Oxford Highway Dept., Oxford, MA	Summer 2001-2004
	Summer Help § Responsible for the daily maintenance of town grounds and properties. § Involved in many road construction and repair tasks.	
	Pakachoag Golf Course, Auburn, MA	Summer 2000
	Assistant to Greens keeper § Responsible for the landscaping on the course. § Worked in the clubhouse as a starter, and was responsible for closing.	
Computer Skills	Knowledge in Windows and Microsoft Office Applications, Auto-CAD, Prima-Vera, and FRAME.	
Awards and Honors	OHS Mathematical Achievement Award (2001), Athletic Directors Award (2001), Worcester Chapter UNICO Scholarship (2001), Wayne Westall Scholarship (2001), SWCL Baseball All Star (2000, 2001).	
Leadership and Activities	Phi Gamma Delta Fraternity (2001-present), Social Chairman of Fraternity, Varsity Baseball WPI (2002), WPI Intramural Sports (2002-present), Oxford High School Varsity Baseball and Basketball Captain (2001).	

Angela Marie Martino

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(617) 846 8041

Current Address:
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Worcester, MA 01609
(617) 771 4977

OBJECTIVE	To obtain a job in the field of Civil Engineering.	
EDUCATION	Worcester Polytechnic Institute , Worcester, MA *Bachelor of Science, Civil Engineering, May 2005 *G.P.A – 3.34	
<i>Relevant Courses</i>	Analytical Mechanics I/II; Project Management; Fundamentals of Civil Engineering AUTOCAD; Fluid Mechanics; Structural Engineering – Wood Design; Surveying; Soil Mechanics; Introduction to Transportation Engineering; Design on Reinforced Concrete Structures; Cost Estimating, Scheduling, and Project Control, Design of Steel Structure	
<i>Projects</i>	Interactive Qualifying Project in Australia; 3-course equivalent Member of a 4-person project team that developed guidelines for computer fire models in Australia & New Zealand.	1/04-3/04
	Major Qualifying Project; 3-course equivalent Member of a 3-person project team that is assessing and renovating the Worcester Memorial Auditorium into academic space for WPI.	8/04-3/05
WORK EXPERIENCE	Worcester Polytechnic Institute – Worcester, MA <i>Admissions Work Study Office Assistant</i> *Handle telephone calls, entry of data into computer, and filing	9/02-Present
	Jay Cashman, Inc. - MA Southshore <i>Student Internship</i> *Worked with Field Engineers on GREENBUSH Project *Maintained Rebar orders on the Scituate site *Worked with AUTOCAD drawings and other projects in the office	5/04-8/04
	Parsons Brinckerhoff – Boston, MA <i>Student Internship</i> *Worked with Field Engineers on “Big Dig” site *Worked with AUTOCAD drawings and other projects in the office	6/03-8/03
	Middlesex Federal Savings - Somerville, MA <i>Bank Teller</i> *Handled all teller functions at a savings and loan association *Performed various special projects involving all bank departments	6/99-1/03
COMPUTER SKILLS	AutoCAD, Primavera, Microsoft Office	
LEADERSHIP	Phi Sigma Sigma Sorority *Executive Board Member Intern – Vice President *Executive Board Member – House Manager *Involved in community service events	1/02-Present
	Women’s Rugby Club Team *Vice President	3/03-Present
	Crimson Key *School Tour Guide	3/02-Present
	Rho Lambda Honor Society *Treasurer	4/04-Present
	Order of Omega Honor Society	4/04-Present
	Design-Build Institute of America (DBIA)	9/02-Present
	American Society of Civil Engineers (ASCE)	3/03-Present
	Associated General Contractors of America (AGC)	9/04-Present
	Society of Women Engineers (SWE)	9/04-Present
	Student Government Association *Assistant Treasurer for club sports & organizations	9/02-12/03

Rebecca Marie Nacewicz

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School Address:

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(413) 896 – 1150

Objective

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

Education

Worcester Polytechnic Institute, Worcester, MA
Bachelor of Science, Civil Engineering
Expected Date of Graduation: May, 2005
Master of Engineering, Civil Engineering
Expected Date of Graduation: May, 2006
GPA: 3.3

Related Coursework

* Soil Mechanics	* Professional Practice	* Materials of Construction
* AutoCAD	* Structural Engineering	* Design of Steel Structure
* Fluid Mechanics	* Project Management	* Architectural Engineering Systems

Projects

Worcester Memorial Auditorium, Worcester, MA August 2004 – present
Major Qualifying Project (3 course equivalent)
Member of a three-person team that is assessing all aspects of the Worcester Memorial Auditorium in order to renovate the building for use as part of the WPI community.

Montgomery County, Maryland October – December 2003
Interdisciplinary Qualifying Project (3 course equivalent)
Member of a four-person team that developed and implemented a survey, gathered, entered, and analyzed information about the Ride On bus system. Compared two previous models developed about the system and determined which was more accurate based on survey results. Presented recommendations to assist with future marketing and route planning strategies.

Experience

Johnson & Seaman Engineering, Auburn, MA May 2004-present
Structural Engineering Intern
* Perform structural analysis and design for a variety of buildings
* Conduct site visits and write technical reports
* Draft plans and evaluate shop drawings
* Reorganized plans and updated plan database

WPI Career Development Center, Worcester, MA May 2003 - present
Office Assistant
* Critique Sophomore/Freshman resumes
* Assist students, and alumni with resource materials

Skills

Computer: AutoCAD 98-2005, Primavera, Microsoft Office (PowerPoint, Excel, Word), SPSS 8.0

Leadership And Activities

Worcester Polytechnic Institute

- * Phi Sigma Sigma Sorority, 2001 – present
 - Chapter Representative, 2004 - present
 - Vice President of Activities for Panhel, 2002 – 2003
 - Fundraising Chair, 2002 –2003
- * Society of Women Engineers (SWE), 2002 – present
 - Vice President, 2004 – present
- * American Society of Civil Engineers (ASCE), 2003 - present
- * The Associated General Contractors of America, 2004-present
- * Club Lacrosse, 2002, 2003
- * Women's Varsity Soccer, 2001, 2002

Vikas Narang

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Worcester, MA 01609

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Objective:

A graduate in the field of civil engineering with a successful academic record currently seeking a full time position as a structural engineer.

Experience:

Project Manager & Civil engineer at “Northeast Concrete Products” (Internship) May 2004 – August 2004

- Responsibilities include co-ordination between Production, Material & engineering department, Quality control
- Plant production scheduling, reading & review of blue prints, site supervision, working with contractors & consultants.

Teaching Assistant for “Introduction to Structural Analysis” with the Civil Engineering Department of Worcester Polytechnic Institute, Worcester, MA January 2004 – May 2004

Teaching Assistant, Mathematics Department, Wayne State University. August 2003-December 2003

Trainee, Civil Engineering Laboratory, LD College of Engineering, India. June 1999 – July 2003

- Evaluated complex structural elements and designed structures.
- Analyzed optimal traffic planning and controlling.
- Studied physical, chemical and thermal properties of concrete.

Tutor and Grader, Alpha Science Academy, India June 1999 – July 2003

- Involved with tutoring subjects like Advanced Math, Physics and general chemistry to high school students.
- Responsibilities included conduction examinations, grading, tutoring and mentoring.
- Prepared detailed reports with information related to academic standings, attendance.

Education:

M.S. in Civil Engineering Worcester Polytechnic Institute, Worcester MA December 2004 (Expected)

Relevant Coursework: Structural Design for Fire Safety, Dynamics of Structures, Building Buildings, Highway Safety and Risk Management, Traffic Control and Operations, Operations and Risk Management.

B.S. in Civil Engineering L.D. College of Engineering, India June 2003

Relevant Coursework: Strength of materials, Structural analysis- I, II, III
Design of structures(general),Design of reinforced concrete structures, Design of steel structures, Concrete technology, Advanced construction, Construction management and economics.

Projects and Seminars:

- Carried out a project on “Earthquake structures and designing” during my Final Year of Undergraduate studies (Civil Engineering). March 2003
- Carried out “Spot Speed Analysis” during my Final Year of Undergraduate studies (Civil Engineering) whose data was used for Ahmedabad Transportation Department. March 2003
- “Speed and Delay Studies” during the Final Year of my Undergraduate studies (Civil Engineering) whose data was used by Ahmedabad Transportation Department October 2002

Computer Skills:

Microsoft Tools: Office 98/2000/XP (Word, Excel, Access, PowerPoint), Visual Basic.

Languages and Software: AutoCAD 2000, RISA-2d, TAS, GEOPAK, HSIP, Truegrid, LS-DYNA, C, C++, Matlab.

Operating systems: MS-DOS, Windows 95/98/2k/NT/XP, UNIX.

Honors:

- Awarded a Teaching Assistantship at Worcester Polytechnic Institute, Worcester, MA January 2004
- Ranked among the **top 10** in all examinations at the undergraduate level. June 2000-June 2003
- **Top scored** in university in the subject of “**Transportation engineering**” during the final year of undergraduate studies. June 2003
- Excellent verbal/written skills.
- Ability to work independently and in a group. Meticulous and punctual in work.

SCOTT J. NEITHERCUT

5 Applewood Rd
West Boylston, MA 01583

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EMAIL: sneiths@wpi.edu

OBJECTIVE A field engineer position

EDUCATION Worcester Polytechnic Institute, Worcester, MA
Bachelor of Science in Civil Engineering. Anticipated graduation: December 2004

TECHNICAL SKILLS Familiarity with AutoCAD, PowerPoint, Microsoft Excel, Microsoft Word

RELEVANT COURSEWORK

- Surveying
- Highway Engineering & Planning
- Structural Analysis
- Construction Project Management
- Environment Analysis
- Structural Engineering
- Materials of Construction
- Fundamentals of Civil Engineering
- Soil Mechanics
- Environmental Engineering

PROJECT WORK

Major Qualifying Project: Bioreactor Landfills (in progress)

This project will aim to develop on an emerging technology known as landfill bioreactors. It will develop an analysis about the advantages and disadvantages for this method of land disposal as well as considered what the need for this type landfill will offer to the world of municipal solid waste. The primary goal of this project will be to design a full scale bioreactor and determine the feasibility of operating it using an existing landfill as a model.

Interactive Qualifying Project: The Sounds of Venice, Venice, Italy (June-Aug. 2003)

The team successfully recognized and identified the characteristic and endangered sounds of the City of Venice through the development of an extensive idea collection and ranking process. These sounds were recorded into digital media, catalogued, and disseminated through compact discs, the World Wide Web, and an interactive kiosk. Initial discussions and brainstorming for a musical competition that uses the recorded sounds to create musical compositions were also completed.

WORK EXPERIENCE

January-August 2004: Cooperative Education Student, Brown and Caldwell, Middleboro, MA

- Construction quality assurance for the construction of a dual composite liner system for landfills
 - Assisted in the monitoring of the installation of geosynthetics, construction activities, soil compaction testing, installation of pipe, and nondestructive and destructive geosynthetic testing.
 - Monitored a landfill minor modification to a gas well extraction system.
- Assisted with the implementation of illicit discharge detection and elimination for Phase II of the NPDES stormwater program for the urbanized areas of Westminster, MA
 - Developed a storm sewer system map, showing the locations of all outfalls, and the names and locations of all waters of the US that received discharges from those outfalls.
- Assisted with performing landfill ground water and gas well monitoring.

July-August 2002: HVAC Technician, Tobey Sheet Metal, Eliot, ME

- Installed HVAC equipment at the Brooksby Village Project, Peabody, MA

May-June 2002: Carpenter's Assistant, FHA Drywall, Rochester, NY

- Assisted with hanging drywall, taping and framing at Home Depot, Springfield, MA

May-Aug. 2001/Dec. 2001-Jan. 2002/June-July 2002: Laborer/Carpenter's Assistant, Cutler Associates, Worcester, MA

- Assisted with punch list on Assumption College's West Dorm, Worcester, MA
- Framed concrete forms for walls, sidewalks and pads at American Superconductor, Devens, MA
- Performed a variety of clean-up tasks at Mt. Holyoke Science Center, Holyoke, MA
- Constructed concrete forms for outside stairways and performed clean-up at The Bancroft School, Worcester, MA

May-August 2000: Laborer/Carpenter's Assistant, Jesmac Incorporated, Providence, RI

- Assisted with various tasks including framing, floor layout, insulation, and soffits at the WPI Student Center, Worcester, MA

March 1995-present: Waiter, O'Connors Restaurant & Bar, Worcester, MA

- Worked as a waiter, busser and expediter

CERTIFICATIONS

Nuclear gauge safety training: Troxler certified
Completed training in the Heartsaver CPR program
Completed training in first aid emergency care

ACTIVITIES

Sigma Chi Fraternity, 2000-02 (active)
WPI American Society of Civil Engineers, 2003

Kerry Quinn
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Objective: A full time position in the field of Civil Engineering; area of interest structural.

Education: **Worcester Polytechnic Institute**, Worcester, MA
Combined Bachelor's / Master's Program
Bachelor of Science, Civil Engineering – May 2005
Masters of Science, Civil Engineering – May 2006

Related Coursework:

S Design of Steel Structures	S Analytical Mechanics I, II
S Design Reinforced Concrete	S Project Management
S Design of Wood Structures	S Soil Mechanics

Project: **Senior Major Qualifying Project (MQP)** – 3 course equivalent
August 2004 – March 2004

Medical Building Design

The objective of this project is to design a hospital facility with a helipad on the roof and a parking garage adjacent to it. Structural schemes of the building will be done in structural steel and reinforced concrete and a cost analysis of the two designs will be performed.

Junior Interdisciplinary-Qualifying Project (IQP) – 3 course-equivalent
August 2003 – March 2004

Climate Change in the American Southwest

Obtained lightning data, precipitation data, terrain elevation and surface temperature for the American Southwest. Executed a correlation between the data and climate change.

Work Experience:

SWPI University Relations Department, Worcester, MA
August 2002 – Present
Office Assistant: Compiled and entered data into database

SDalton Building, Boylston, MA
May 2004 – August 2004
Office/Field Assistant: Compiled and entered data into database

SBeals & Thomas, Inc., Southborough, MA
June 2000 – August 2001
CAD Designer: Updated and revised CAD drawings
Selected to participate in T3 Project Internship sponsored by Bell Atlantic

Organization: American Society of Civil Engineers (ASCE) member, 2003-2004

References: Furnished upon request

David A. Seermon
30 Fairway Lane
Foxboro, MA 02035
Home phone: (508) 698-1720
School phone: (774) 254-0751
Email: daseer60@wpi.edu

Objective An entry-level position in the field of Construction Management. Areas of interest include Expediting, Project Engineering, and Project Management.

Education **Worcester Polytechnic Institute**, Worcester, MA
Bachelor of Science, Civil Engineering, Class of 2005 **GPA: 3.14**

Related Courses Project Management; Cost Estimating, Scheduling, and Project Control; Urban and Environmental Planning, Personal Finance; Financial Accounting

Projects **Senior Major Qualifying Project (MQP), WPI, Gilbane Co., Aug. 2004-present**
Team of two students tracking and analyzing the construction of the New Worcester Courthouse. Working closely with Gilbane Co. to gain knowledge and experience towards the construction management process.

Experience **Summer Internship, Hodess Building Co., May 2004-Aug 2004**
Estimating Dept: Worked with Estimators on various projects that included doing take-offs, soliciting bids, delivering bids, sending bid packages, and completing various office errands.

Summer Internship, Hodess Building Co., May 2003-Aug 2003
Expediting Dept: Worked with Project Managers and Assistant PMs on various projects such as renovating the ABC Gould Institute Construction School in North Attleboro. Other responsibilities included creating transmittals, attending Subcontractor meetings, creating O&Ms for projects, organizing submittals, and completing various office errands.

Shop Worker, Full Circle Padding, Norton, MA, May 2002-Aug 2002
Duties included gluing pads for fitness equipment, cutting foam pads with band saw, stripping old pads, cleaning the shop, and completing various requested tasks.

Shift Supervisor / Cashier, Honey Dew Donuts, Foxboro, MA, June 99-Aug 2001 Duties included supervising two to four employees in the daily operation of the shop, balancing the cash registers at the end of the shift, making bank deposits, serving the public, and maintaining a clean and efficient shop.

Technical Skills Familiar with **Prolog, Primavera, BidFAX**, Microsoft Excel, Power Point. Have used various CADD programs including CADRA, ProE, AutoCAD, and Revit.

Activities **WPI Varsity Football** player (2001-2005), Brother of **Sigma Phi Epsilon** fraternity (2001-present), volunteer at Habitat for Humanity in North Carolina, Student chapter of Associated General Contractors of America (**AGC**; 2004-2005)

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KYLE SHEPHERD

OBJECTIVE

My objective is to acquire a job in the field of civil engineering.

EDUCATION

Worcester Polytechnic Institute Worcester, MA
BS in Civil Engineering & Minor in Management
n Expected Graduation: 2005
n Estimated GPA: 3.70 • Charles O. Thompson Scholar • Donald Wood Taylor Scholarship Recipient • Chi Epsilon • Order of Omega • Tau Beta Pi • National Deans List

Abington High School Abington, MA
n High School Diploma, June 2001
n Class Rank: 7/140 • GPA: 3.9

RELEVANT COURSES

• Civil Engineering. & Computer Fundamentals • Analytical Mechanics I
• Analytical Mechanics II • Introduction To Analysis & Design • Surveying
• Fundamentals of Civil Engineering AutoCAD • Project Management
• Reinforced Concrete Structures • Design of Steel Structures • Wood Structures • Soil Mechanics • Materials of Construction • Pre-Stressed Concrete • Fluid Mechanics • Intro To Dynamic Systems

COMPUTER SKILLS

• AutoCad • Microsoft Word • Microsoft Excel • Power Point

WORK EXPERIENCE

2003 – 2004 MAC Realty (Site Work) South Shore, MA
§ Assisted builder with on-site work, light framing, landscape

2001 – 2003 The Weymouth Club (Maintenance) Weymouth, MA
§ Assisted with general maintenance of gym/tennis club

1999 - 2001 Abington Education System (Maintenance) Abington, MA
§ Assisted with general maintenance in Early Childhood Center

ACTIVITIES

• WPI Varsity Football (2001) • ASCE Student Chapter (2001) • Chi Epsilon (2004) • Order of Omega (2004) • Tau Beta Pi (2004) • Sigma Phi Epsilon Fraternity (2001) • Intramural Basketball & Softball (2003)

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

EDUCATION **Worcester Polytechnic Institute** Worcester, MA
Perspective Bachelor of Science degree, Civil Engineering
Perspective date of graduation- May 2005

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

Related Coursework:
Civil Engineering & Computer Fundamentals Surveying
Reinforced Concrete Project Management
Cost Estimating in Construction Materials of Construction
Structural Engineering Steel Design
Professional Practice Structural Wood Design

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. It is to be made into research and teaching labs, classrooms, and offices for the various biology fields studied here at WPI.

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- Present 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

2000- Present J & J Building and Remodeling Oakham, MA
-Contractor's Assistant

- Assist contractor with remodeling projects such as total house renovation from demolition, reframing, and finish work.
- Work on plumbing, baseboard heating and electrical wiring.
- Learn building code requirements for railings, windows, beam structures, and roof rafters.

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, Eagle Point Software, Revit, Microsoft Office, Primavera

ACTIVITIES **Phi Sigma Sigma**, WPI, 2002-Present

- Alumni Chairman
- Assistant House Manager

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-Present

References available upon request

