

First Year Student

100 Institute Road, Box 1408, Worcester, MA 01609
firstyear@wpi.edu – 508-111-1111

OBJECTIVE	Summer Internship in Chemical Engineering focused on byproduct treatment	
EDUCATION	Worcester Polytechnic Institute (WPI) , Worcester, MA Bachelor of Science in Chemical Engineering, GPA 3.30/4.00	May 2022
	Southborough High School (SHS) , Southborough, MA High School Diploma, GPA 3.6/4.0	June 2018
	Related Courses: Chemistry I-IV, US Environmental History, AP Environmental Science	
SKILLS	Software: Creo Parametric; Audacity; Microsoft Word, Excel, PowerPoint, and Outlook Lab Techniques: Dumas Method, thin-layer chromatography, acid-base titration, Job's Method	
PROJECTS	Great Problems Seminar: Recycle the World	WPI Oct 2018 – Dec 2018
	<ul style="list-style-type: none">Collaborated with peers to develop sustainability-themed term projectResearched, interviewed, and visited professionals to gather information on circular economy, automotive material recovery, reuse and recycling, and associated policy makingDelivered report, PowerPoint presentation, and poster on proposed improvement method	
	STEM Award Presentation , Southborough, MA	Sept 2017
	<ul style="list-style-type: none">Presented to over 300 STEM high school students, school administrators, corporate sponsors, and Massachusetts Secretary of Education about importance of STEM educationGave tour of the facility to Secretary and assisted in ribbon cutting ceremony	
	Eagle Scout Project , Southborough, MA	Nov 2015 – May 2016
	<ul style="list-style-type: none">Directed team of 20 to remove and replace large dilapidated shed roof at local churchCleared debris from shed interior and surrounding yard into large dumpsterOrganized shed contents for greater efficiency of shed	
	Science Fair Project , Southborough, MA	Oct 2015 – May 2016
	<ul style="list-style-type: none">Researched various turbine designs to be used in domestic hydroelectric generationPrinted 3D plastic turbine designs and evaluated power efficiency under constant water flowAdvanced through local, regional, and state levels	
EXPERIENCE	Customer Service Department Head , Shaws Market, Hudson, MA	Aug 2015 – May 2018
	<ul style="list-style-type: none">Coordinate and lead associates to improve efficiency at checkout lanesSatisfy customer inquiries to improve in-store experienceEnsure all cash assets are properly documented and secured	
ACTIVITIES	Treasurer , Class of 2022, WPI	Dec 2018 – Present
	President , Green Team, WPI	Sept 2018 - Present
	Member , Underwater Hockey Team, WPI	Sept 2018 - Present
	Member , National Honor Society, SHS Chapter	May 2016 - May 2017

IQP APPLICANT

iqpapp@wpi.edu | 113-456-7890 | 100 Institute Road, Box 1234 | Worcester, MA 01609

OBJECTIVE:

Acceptance into the Global Projects Program for an off campus IQP

EDUCATION:

Worcester Polytechnic Institute (WPI), Worcester, MA

Bachelor of Science in Chemical Engineering, 3.4/4.0, May 2020

PROJECTS:

University Fellowship, San Diego State University, CA, May – Aug 2019

- Conducted preliminary research and utilized design-thinking to identify, hypothesize, and address entrepreneurial mindset at San Diego State University.
- Collaborated on a team of three fellows to find ways to invoke an entrepreneurial mindset among students.

Clean Water Implementation, Guatemala, Aug 2019

- Assembled, delivered, and implemented clean water filters to local Guatemalan families.
- Taught health and hygiene programs to indigenous women in Spanish regarding living a healthy lifestyle, dental hygiene, and hand-washing.

Kinetics, Equilibrium, & Thermodynamics, WPI, Jan-March 2019

- Determined composition of an unknown dipeptide through data analysis of the compound's physical properties, melting point, infrared spectra, and thin layer chromatography.
- Utilized tools including an infrared spectrometer, melting point apparatus, analytical balance, thin layer chromatography plates, pipettes, and capillaries.
- Produced a final report characterizing the amino acids of the dipeptide.

EXPERIENCE:

Emergency Medical Technician, WPI, July – Aug 2018

- Respond to emergency calls to provide efficient and immediate care to the critically ill and injured, and to transport patients to a medical facility.

Intern, Saint Vincent Hospital, Worcester, MA, May-Aug 2018

- Shadowed a Doctor of Osteopathic Medicine in the office and hospital setting.
- Learned PCR techniques and patient relations.

Women in Technology Intern, Fidelity Investments, Smithfield, RI, Oct-May 2017

- Collaborated in a team to create video tutorials using Camtasia.
- Documented key components of the instructional manual for simplicity and clarification.
- Used AutoCAD and recorded key strokes to train engineers on functionality.

SKILLS:

Computer: AutoCAD, Camtasia, Microsoft, Maple, R Studio

Languages: Spanish

Lab Techniques: IR spectroscopy, TLC, titration, Job's Method, NMR spectroscopy, cyclic voltammetry

IQP APPLICANT

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OBJECTIVE:

Acceptance into the Global Projects Program for an off-campus IQP

EDUCATION:

Worcester Polytechnic Institute (WPI), Worcester, MA
Bachelor of Science in Computer Science, GPA 3.5/4.0

May 2020

Smithfield High School (SHS), Smithfield, RI
High School Diploma, GPA 4.4/4.0

June 2016

SKILLS:

Foreign Languages: Spanish (Beginner); French (Beginner)

Computer: Google Documents, Microsoft Office, Adobe Creative Cloud, Final Cut Pro X, IntelliJ IDEA and Eclipse IDE's, Microsoft Visual Studio, Git, Team Foundation Service (TFS), Xcode, Virtual Box, Linux Shell

LEADERSHIP:

President, Student Leadership Team, SHS, Smithfield, RI

Oct 2014 – June 2016

- Organized and coordinated SHS's participation in several fundraisers for local and national charities by collaborating with internal and external constituents and managing logistical details.
- Launched first Cystic Fibrosis Walk raising \$9,000 for the Cystic Fibrosis Foundation.

Attendee, La Salle Academy Advanced Studies Program, Providence, RI

June – July 2015

- Participated in an 8-week program to study biomedical ethics and writing.
- Engaged in social and academic activities that stimulated personal and communal growth in a highly specialized learning environment.

Student Participant, SHS Global Studies Program, France

April 2015

- Traveled with high school peers and advisors to various locations in France.
- Completed immersive activities to become acquainted with foreign cultures.
- Explored local attractions and surrounding areas in order to gain a heightened global perspective.

EXPERIENCE:

Junior Back-End Software Engineer Intern, MojoTech, Providence, RI

May 2017 - present

- Collaborate on a software engineering team that utilizes a Scrum Agile development cycle.
- Develop enterprise level application features for external clients in C# language within the Microsoft Visual Studio 2017 IDE.

Beta Tester Intern, Upserve, Providence, RI

Aug 2015

- Identified bugs and user experience (UX) issues in the iOS mobile application.
- Communicated with beta testers and developers to enhance the user interface
- Coordinated business relations with aspiring partners
- Negotiated contract agreements and terms of service.

ACTIVITIES:

Member, 2020 Class Board, WPI

Aug 2017 - present

Member, Varsity Track and Field, WPI

Aug 2016 - present

Tutor, Tutoring Center of RI, SHS

Oct 2015 - June 2016

Captain, Varsity Track and Field, SHS

Aug 2013 – Nov 2015

Senior Resume Sample

Address | Phone Number | Email Address

OBJECTIVE

Full-time position in the field of Aerospace Engineering

EDUCATION

Worcester Polytechnic Institute (WPI), Worcester, MA

Bachelor of Science in Aerospace Engineering, GPA 3.5/4.0, May 2019

EXPERIENCE

Engineering Intern, Meridion LLC, Seattle, WA, May 2017 – Aug. 2018

- Modeled complex opto-mechanical parts and assemblies for the Wide-area Infrared System for Persistent Surveillance (WISP) system going to market.
- Created assembly documentation and detailed GD&T fabrication documents.
- Utilized MATLAB to create image-processing scripts to automatically perform centroiding and ensquared energy measurements on a series of images.
- Designed supports for opto-mechanical parts in SolidWorks and 3D printed them on Ultimaker 3 printer.

Mechanical Engineering Intern, SeaSpine, Carlsbad, CA, July – Aug. 2017

- Led a project to test stresses on robot wheels from thresholds to be used in a product going to market
- Designed appendages to a robot arm in SolidWorks and machined parts using detailed drawings.

PROJECTS

Major Qualifying Project (MQP), WPI, Aug. 2018 – Present

- Working on a team of twelve to design and construct a unique remote-controlled aircraft to compete in the 2019 Society of Automotive Engineers Aero Design Competition Regular Class.
- Using professional software to analyze and optimize aerodynamic parameters.

Interactive Qualifying Project (IQP), Worcester, England, Jan. – May 2018

- Awarded Best Project out of the ten projects on site.
- Collaborated with a multicultural team of three WPI and three University of Worcester (UW) students to design and build an all-season plant nursery.
- Researched site specifications and best practices for development of nursery based on needs of local people.

Independent Project, WPI, Oct. 2017 – Dec. 2017

- Collaborated with a group of ten students to build a rocket to compete in the Battle of the Rockets Competition in Maryland in 2017.

SKILLS

Programming Languages: Python, MATLAB

Software: SolidWorks, Microsoft (Word, PowerPoint, Excel), Adobe Premiere

LEADERSHIP

Community Advisor, WPI, Aug. 2016 – Jan. 2017

- Provide educational resources and emotional support to incoming WPI students.

ACTIVITIES

Participant, Cheese Club, WPI, Aug. 2016 – present

Captain and Participant, Underwater Hockey, WPI, Aug. 2016 – present

Participant, VOX, WPI, Aug. 2016 – present

Member, American Institute of Aeronautics and Astronautics, WPI, Oct. 2016 – present

Senior Sample

Street Address, City, State, Zip Code • Phone Number • Email Address

OBJECTIVE

Obtain Full Time Employment in Process Engineering

EDUCATION

Worcester Polytechnic Institute (WPI), Worcester, MA

Bachelor of Science in Chemical Engineering, GPA 3.70/4.00

May 2018

SKILLS

Equipment: Scanning electron microscope, energy-dispersive x-ray spectroscopy, Instron, gas chromatography-mass spectroscopy and infrared spectroscopy, Krüss Tensiometer, Vickers hardness test

Software: Mathcad, Maple, Aspen, Microsoft (Word, Excel, PowerPoint, Publisher)

Foreign Languages: Bilingual in English/Portuguese

EXPERIENCE

Engineering R&D Co-op, Cole-Parmer, Vernon Hills, Illinois Jan – July 2016

- Investigated feasibility of developing fiberglass yarns from various PVC plastisols and water-based coatings
- Applied various formulations onto fiberglass yarns using pilot dye-coating line and studied different coating characteristics through SEM imaging, Instron tensile strength testing, DHR1 Rheometer, and alkaline aging
- Developed an alternative methodology for improved sizing-solution dispersion onto glass fibers
- Communicated project advancements weekly to supervisors providing updates on monthly team meetings

R&D Intern, Dow Chemical Company, Midland, MI

May – Aug 2015

- Optimized existing windshield production process by developing a less energy-consuming, non-autoclaved process by applying high-temperature vacuum lamination to PVB-assembled glass laminates
- Produced and characterized 300 vacuumed laminates based on adhesion, mottle, residual stress properties

PROJECTS

Major Qualifying Project (MQP), WPI, Worcester, MA

Jan – Mar 2017

- Investigated the feasibility of enhancing anaerobic digestion processes using microbial algae and waste
- Tracked methane, ammonia and chlorophyll-a levels using gas-chromatography and spectrophotometry
- Provided final results and recommendations through a written report and presentation to project advisors

Safety Design, Process Safety Design for Existing Ethylene Oxide Plant, WPI

Dec 2017

- Created bid package of process safety management specifications, code review, basic design of process and layout, pressure relief design, control system design, containment structures, mitigation, and economics
- Collaborated with a group of three to summarize bid package in a 40-page report

Unit Operations, Membrane Separator Unit Operation, WPI

Sep 2017

- Designed lab using membrane separator on team of five
- Determined membrane selectivity, effect of pressure on outlet concentrations, and effects of co-current versus counter-current permeate and retention stream flows
- Wrote 12-page memo format report and gave a 30 minute oral presentation on results

Interactive Qualifying Project (IQP), Navigating Food Culture, Mandi, India

May 2017

- Assisted local NGO to understand how residents and tourists perceive gastronomic culture of the city.
- Performed preliminary research to formulate goals and methods, resulting in proposal to aid NGO in applying to the UNESCO Creative Cities Network
- Compiled finding in a 73-page report to present to organization leadership

ADDITIONAL EXPERIENCE

Student Worker, Career Development Center, WPI, Worcester, MA

Aug 2014 - Present

LEADERSHIP

Alpha Gamma Delta, President

Nov 2014 - Present

Bachelor's / Master's at WPI Sample

123 West Street, Apt #3, Worcester, MA 01609

bsms@wpi.edu, (508) 831-5260

Objective:

Full time biomedical engineering position

Education:

Worcester Polytechnic Institute (WPI), Worcester, MA

Master of Science in Biomedical Engineering, GPA: 3.5/4.0, May 2019

Bachelor of Science in Biomedical Engineering, GPA 3.9/4.0, May 2018

Related Courses:

Biomaterials in the Design of Medical Devices, Tissue Engineering*, Medical Device Regulation*

(* to be completed by May 2014)

Skills:

Lab Techniques: Sterile technique, serial dilutions, gel electrophoresis, staining techniques, centrifugation, compound light microscopy, cell culture

Applications/Software: Microsoft (Word, PowerPoint, Excel, Visio, Outlook), Solidworks, ImageJ, LabView

Projects:

Major Qualifying Project, WPI, August 2017 – May 2018

- Developed an adhesion system to increase cell aggregation for the growth of cell-derived vascular tissue rings on team of four.
- Researched characteristics of cells and biomaterials to determine how to create a new application for cell aggregation adhesion system.
- Optimized system to create better adhesion between the cells and integration within ring aggregation system.
- Utilized adhesion system to more quickly grow stronger and consistent tissue rings with less cell death.

Biomedical Design, WPI, August – October 2017

- Collaborated on four-person team to redesign current model of skin tissue culture device currently used in campus labs to optimize ease of use.
- Executed the design process to create and present a design prototype.
- Researched current models and incorporated design considerations.
- Utilized Solidworks to present scale models of conceptual designs.

Related Experience:

Application Engineer Intern, Harvard Bioscience, Holliston, MA, May 2017 – Aug 2017

- Assisted in development and validation of performance specification benchmarks for flow cytometry machine lines.
- Refined and enhanced scientific application techniques to provide in-depth technical expertise for products in pre and post sale roles, resulting in \$500,000 sales for company

Additional Experience:

Research Assistant, Biology Department, WPI, January 2016 – May 2018

Associate and Cashier, PetSmart, Hudson, MA, May 2012 – August 2014

Activities:

Biomedical Engineering Society, WPI, September 2017–present

Alpha Eta Mu Beta (Biomedical Engineering Honor Society), WPI, November 2017–present

Master's Resume Sample

123 Institute Road Apt #2 Worcester MA 01609
(123) 456-7890 zw@wpi.edu

OBJECTIVE:

Full Time Marketing Analyst

EDUCATION:

Worcester Polytechnic Institute (WPI), Worcester, MA

Master of Science in Marketing and Innovation, GPA 3.6/4.0

May 2014

Tsinghua University (TU), Beijing, China

Bachelor of Science in Marketing and International Trade, GPA 3.6/4.0

June 2010

EXPERIENCE:

Marketing Assistant, Progressive Urban Real Estate, Cleveland, OH

June 2013 - Aug 2013

- Searched property information and made more than 40 offers for clients every week
- Scheduled showing appointments and followed up offers by phone and through email
- Designed official website structure (in HTML) and prepared content for website and Facebook

Marketing Intern, The Echo Nest, Somerville, MA

Feb 2013 - April 2013

- Created marketing strategy to promote Echo Nest Application in North America
- Conducted direct marketing to homeowners through telephone and demos
- Organized social media and forum marketing to build product recognition
- Developed and tracked email marketing campaigns through MailChimp

Graduate Assistant, Foisie School of Business, WPI

Mar 2012 - June 2013

- Designed questionnaire for interview about healthcare IT system using Survey Monkey
- Transcribed and verified 50 interview audio records from focus groups and expert interviews
- Conducted analysis of patient survey and expert interviews using SPSS and Nvivo

Marketing Specialist, Digital Marketing China, Beijing, China

July 2010 - July 2011

- Increased daily website visits by 30% within 60 days through guest blogging and social media interaction
- Improved single product turnover rate 40% by researching and releasing hot sale product information
- Achieved \$200,000 monthly sales by talking to customers through telephone and online chat
- Secured more than 500 orders for customers at 30 American online stores every month

RESEARCH EXPERIENCE:

Analysis and Strategy for Atari, WPI, Worcester, MA

Sept - Oct 2014

- Collected more than 5 thousand real-time Twitter data using API, cleaned up and analyzed with Python
- Provided business strategy for Atari company using marketing theories, including 4P, STP, SWOT
- Made statistical analysis and translated the data to solve business questions

COMPUTER SKILLS:

Microsoft Office, SPSS, SQL, Google Analytics, Cognos, HTML, Adobe Photoshop

ACTIVITIES:

President, Dormitory Administration Committee, Beijing, China

May 2007 - Aug 2009