

Michael Boyd

Present Address 1303 Wilmot, Ann Arbor, MI 48104
Permanent Address 678 Baker St. Rochester Hills, MI 48307
Primary Phone (248) 860-6704
mjboyd@umich.edu

Objective

Seeking a full-time position in the Oil/Energy industry. Available in June

Education

University of Michigan College of Engineering
April 2014
Ann Arbor, MI
GPA: 3.897/4.0
CHE GPA: 3.834/4.0
BSE in Chemical Engineering with concentration in Energy Systems & minor in German
University Honors 2010, 2011, 2012, 2013
Dean's List 2010, 2011, 2012, 2013

Work Experience

Ford Motor Company
May 2013 – August 2013
Dearborn, Michigan
Research Engineer Intern

- Fabricated transition-metal based catalysts via insipient wetness impregnation on monoliths and high surface area supports for use in exhaust after treatment control systems
- Conducted various tests (e.g. Lambda sweeps, AFR modulation, and surface-area measurements) on the transition-metal catalysts in an augmented Pulsating flame reactor for powder analysis
- Analyzed data for CO, NOx, and Hydrocarbon activity and conversion

Schott Solar
June 2012 – August 2012
Alzenau, Germany
Research Intern

- Prepared silicon samples for chemical etching and analysis, where analysis consisted of determining wafer condition via photoluminescence and lifetime imaging as well as REM and optical microscopy
- Measured many characteristics of as-cut wafers and processed cells such as reflectivity, fill factor, and open circuit current

University of Michigan Department of Electrical Engineering & Computer Science
October 2011 – April 2012
Ann Arbor, MI
UROP researcher, NANO² lab

- Ran Simulations varying parameters to model behavior of nanoparticles in the presence of an electric field
- Interpret Data in MATLAB and determine which particle characteristics affect performance
- Prepare information for biweekly presentations with other undergraduate researchers and my sponsor

Computer Skills

- Operating Systems: Linux (Red Hat), Windows 00/XP/7
- Programs: Microsoft Word, PowerPoint, Excel, MEEP, Aspen
- Languages: C++, MATLAB, Maple, Scheme

Language

- Fluent in German

Leadership And Activities

- Tau Beta Pi External Vice President, Winter 2013-Fall 2013, Vice President, Fall 2012
- U of M Chemical Engineering Car Team, Treasurer, Fall 2012 –Winter 2013, member, Fall 2011-present
- SWE/TBP Career Fair Volunteers Co-chair, Fall 2012
- Shell Drilling & Production Camp, May 2012
- Tau Beta Pi Book Swap, Chair, January 2012
- UROP Research Scholars, member, Fall 2010 – Winter 2012
- American Institute of Chemical Engineers, member, Fall 2011 – present
- Tau Beta Pi National Engineering Honor Society, Prestigious Active, Fall 2011 – present

EMILY CARROLL

LOCAL ADDRESS:

326 E. Madison #3
Ann Arbor, MI 48104

(248) 860-9747
eecarrol@umich.edu

PERMANENT ADDRESS:

4884 Hardwoods Drive
West Bloomfield, MI 48323

OBJECTIVE

Seeking full time position in chemical engineering, available May 2014

EDUCATION**University of Michigan**

B.S.E. in Chemical Engineering, minor in Environmental Engineering
GPA: 3.35/4.00 Major GPA: 3.38/4.00

Ann Arbor, MI
April 2014

- Industrial Ecology
- Sustainable Engineering Principles
- Science, Technology and Public Policy
- Patent Law

RELEVANT EXPERIENCE**Green Mountain Coffee Roasters Inc.**

Environmental Sustainability Intern

Burlington, MA
Summer 2013

- Performed life cycle assessments to compare package design and material options, reinforcing a partnership with a new supplier
- Completed cradle-to-gate life cycle assessment on coffee systems
- Created GaBi process to model emissions from facilities more accurately

University of Michigan Dept. of Chemical Engineering

Research Assistant, Prof. Wen laboratory

Ann Arbor, MI
Fall 2012 - Present

- Assist with the set up the lab by choosing equipment to purchase
- Support lab with autoclaving and other tasks

Akebono Brake Corporation

Friction Material Design Intern

Farmington Hills, MI
Summer 2012

- Investigated the properties of various brake pad materials and their components
- Supported friction material design engineers by performing various tests

Visual Encyclopedia of Chemical Engineering

Permissions Position

Ann Arbor, MI
Winter 2012

- Contacted companies to get permission to use their photos in the encyclopedia
- Maintained spreadsheets of photos and company information

AWARDS AND HONORS

- Dow Industry Scholarship, 2013
- Proctor and Gamble Scholarship, 2013
- Consumers Energy Industry Scholarship 2012
- Marian Sarah Parker Scholar 2011

COMPUTER SKILLS

Languages: C++, Matlab

Applications: Aspen, AutoCAD, COMSOL, GaBi, Maple, Polymath

LEADERSHIP EXPERIENCE**Society of Women Engineers**

Career Fair Director

Winter 2013 – Fall 2013

- Responsible for organizing the 2013 SWE/TBP Career Fair, one of the largest completely student run career fairs in the nation. Nearly 300 companies will attend the fair and 3,000 students are expected to attend over the course of two days
- Supervise two committees who oversaw hospitality for recruiters and casual networking events for students and recruiters the evenings before the fair

College Relations Officer

Fall 2012 – Winter 2013

- Organized Mr. Engineer, including obtaining corporate sponsorship and creating a subcommittee, raised \$4,000 for the Detroit Area Pre-College Engineering Program
- Coordinated participation in various new member recruiting events

Membership Officer

Winter 2012

- Maintained membership spreadsheet and organized event for elevated members

The Epeians

Service Co-Chair

Fall 2013

- Coordinate service opportunities for initiates and active members

OTHER ACTIVITIES

American Institute Chemical Engineers, The Detroit Partnership, UMChE English Conversation Partners, College of Engineering Peer Mentoring

411 E. Washington St. Apt. 211B
Ann Arbor, MI 48109
(616) 881-1312

NATALIE S. EYKE
neyke@umich.edu

6665 Summerbreeze Dr.
Caledonia, MI 49316
(616) 656-1050

OBJECTIVE Seeking an internship in Chemical Engineering. Available May to August 2014

EDUCATION

The University of Michigan

B.S.E. in Chemical Engineering, GPA 3.95/4.00
Carroll-Haas Endowed Scholarship Recipient

Ann Arbor, MI
December 2014

WORK EXPERIENCE

The Dow Chemical Company, Manufacturing & Engineering Intern

Baton Rouge, LA
May 2013 to
August 2013

- Diagnosed malfunctioning pumps
 - Hypothesized that malfunction was caused by insufficient cooling of seal fluid
 - Identified insulation material and thickness necessary to deliver MRU water to pump seal pots at the appropriate temperature
 - Oversaw insulation installation and managed scope changes
- Recommended pipe size adjustments by generating models of process flow
 - Collaborated with diverse teams to quickly familiarize myself with new modeling software and coach my department on its usage
 - Developed installation plan that was approved for turnaround documents
- Audited plant to ensure compliance with loss prevention principles

Procter & Gamble, Research & Development Co-op

Cincinnati, OH
January 2012 to
August 2012

- Reverse-engineered six outsourced Fekkai shampoo formulas
 - Oversaw all necessary projects to timely completion, culminating in strategic decisions regarding formula direction
 - Enabled in-house manufacturing of Fekkai shampoos
 - Saved \$1.4MM by eliminating heritage raw materials
- Identified key shampoo/conditioner interaction explaining negative consumer reaction to shampoo/conditioner pairings
 - Applied Six Sigma tools including Design of Experiment and TQM methods to investigations
 - Utilized advanced knowledge of JMP software to generate sampling plans and statistically analyze data
 - Presented data and conclusions to international teams

The University of Michigan

Research Assistant

Ann Arbor, MI
August 2013 to

- Exploring consolidated bioprocessing to improve biofuel generation efficiency
- Physics I Study Group Leader*
- Designed lesson plans focused on facilitating collaboration between students

Present
Fall 2011

LEADERSHIP EXPERIENCE

Tau Beta Pi Engineering Honor Society, External Vice President, 2013

Society of Women Engineers, University of Michigan Section

- Community Relations Co-Chair, 2012-13
- Membership Officer, Fall 2011

SWE/TBP Career Fair at the University of Michigan

- Director, 2013
- Operations Chair, 2012

Women in Science & Engineering Residence Program, Peer Mentor, 2011-12

East Kentwood High School Cross-Country Team, Captain, 2007-09

- First three-time Captain in program history

CHRISTINE ROCKWELL

1509 Villa Road, Wilmington, DE 19809

(302) 743-0928 | rockc@umich.edu

EDUCATION

University of Michigan
B.S.E., Industrial and Operations Engineering
Dean's List, University Honors
GPA 3.62/4.00

Ann Arbor, MI
September 2010 – May 2014

WORK EXPERIENCE

The Dow Chemical Company
Supply Chain Intern

Midland, MI
May 2013 – August 2013

- Designed and delivered a global data integrity tool to proactively detect and track Dow Coating Materials demand to supply flow SAP data errors, reducing time spent by 88%
- Reduced cost savings analysis calculation time by 96% by creating an automated tool for North American Dow Coating Materials
- Constructed Dow Coating Materials non-optimal shipment tool to identify \$220K in potential savings
- Achieved Six Sigma Yellow Belt Certification for continuous improvement project work

LSA Instructional Support Services
Media Assistant

Ann Arbor, MI
August 2011 – December 2012

- Assisted staff and students by loaning audiovisual equipment to learn valuable skills in customer service
- Promoted to team lead within eight months and acted as a liaison between media assistants and managers to improve communication

RESEARCH EXPERIENCE

Undergraduate Research Opportunity Program
Student Researcher

Ann Arbor, MI
September 2011 – April 2012

- Collaborated with an undergraduate and post-doctoral student to understand galaxy clusters and related research about the structure of the universe
- Produced 3D models of galaxy clusters using Python and C/C++ to represent the structure and properties of each cluster

LEADERSHIP EXPERIENCE

SWE/TBP Career Fair
Director

Ann Arbor, MI
December 2012 – Present

- Planned the 2013 SWE/TBP Career Fair with three other directors to provide 3000 students and 300 companies networking opportunities
- Formulated ideas through communication with University staff, students, and companies to foster continuous improvement of the fair
- Identified areas for improvement in the website that resulted in the ability for companies to edit registration information and automation of the invoicing process

Directory & Registration Chair

April 2012 – September 2012

- Created a 40-page directory of companies to provide information to students attending the career fair

SWE Corporate Information Sessions
Secretary

Ann Arbor, MI
April 2012 – April 2013

- Communicated with company representatives for 84 information sessions to answer questions and coordinate changes in reservations

Student Coordinator

August 2011 – April 2012

- Organized student volunteers for 82 information sessions to ensure efficiency in the set-up of each session

AWARDS

University of Michigan Marian Sarah Parker Scholars Program
▪ Selection based on academic achievement

November 2012

University of Michigan SWE Schlumberger Award

April 2013

- Selection based on academic achievement, written essay, and involvement in SWE section

COMPUTER SKILLS

Languages: C/C++, HTML, Python, SQL, VB.NET, VBA

Software: Microsoft Access, Excel, PowerPoint, SharePoint, Visual Studio, Word

Manasa Amancherla

402 S. 5th Avenue #3B, Ann Arbor, MI 48104 • 847-513-2776 • mamanche@umich.edu

Objective	Seeking a full-time position as a biomedical engineer, specializing in biomechanics.	
Education	University of Michigan , Ann Arbor, MI B.S.E., Biomedical Engineering – Biomechanics, GPA: 3.27/4.0 Courses: Biophysical Chemistry and Thermodynamics, Intro to Biofluid Mechanics, Intro to Biosolids Mechanics, Quantitative Physiology, Design & Applications of Biomaterials, Biomedical Instrumentation & Design	April 2014
Experience	Scaffold Tissue Engineering Group – Ann Arbor, MI <i>Research Assistant</i> <ul style="list-style-type: none">Determining the effect of poly-ε-caprolactone (PCL) surface hydrophilicity on the amount of bone morphogenetic protein-2 that attaches to the polymer. Data analyzed using an indirect ELISA.Created a protocol to significantly alter PCL surface hydrophilicity using sodium hydroxide and acetic acid. Data analyzed with a goniometerDeveloped technical communication skills through conducting literature searches, writing protocols, and actively participating in laboratory meetings.	Jan 2013 – present
	Engineering Advising Center – Ann Arbor, MI <i>Peer Advisor</i> <ul style="list-style-type: none">Advised first-year engineering students about courses & scheduling, majors, CoE policies, resources, and the transition to college.Worked in a team of six, under minimal supervision, with over 1300 students during summer.	May 2012 – May 2013
Team Projects	Society of Women Engineers (SWE) – Team Tech <ul style="list-style-type: none">Collaborated with Pro Way Cleaning & Restoration Inc. to reduce user involvement by building a prototype of a device that measures room dimensions and transfers the data to a computer program to produce a schematic.Competed in the Team Tech Competition at the 2012 SWE National Conference.	Jan 2012 – Nov 2012
Volunteer Service	University of Michigan Health Services – Ann Arbor, MI <i>Physical Therapy Wound Care & Emergency Department Volunteer</i>	Jan 2013 – present
	University of Michigan – Ann Arbor, MI <i>Student Volunteer</i> <ul style="list-style-type: none">Taught students about the engineering design process through a hands-on project; planted trees in the playground of a local school; and assisted in constructing a wheelchair-accessible ramp.	Sept 2010 – present
	Lollapalooza Music Festival – Chicago, IL <i>Aqua Team Member</i>	Aug 2011
Activities	Society of Women Engineers <i>Career Fair Operations Chair (Apr 2013 – present)</i> <i>Corporate Information Sessions Publicity Officer (Apr 2012 – Apr 2013)</i> <i>Team Tech Team Dynamics Manager (Jan 2012 – Nov 2012)</i>	Sept 2011 – present
	Relay for Life <i>Co-Captain (Sept 2012 – Apr 2013)</i>	Feb 2012 – present
Computer Skills	C++, introductory data structures	
Awards	Dean's List (Fall 2012), University Honors (Fall 2012)	

Lauren Bilbo

(512) 820-8711 • lgbilbo@umich.edu • 200 Observatory St. • 395 Jordan • Ann Arbor, MI 48109

OBJECTIVE	To obtain a Summer 2014 electrical engineering internship	
EDUCATION	University of Michigan, Ann Arbor, MI <i>B.S.E. in Electrical Engineering</i> <i>International Minor</i>	April 2016 GPA: 4.0/4.0
	University of Salamanca, Salamanca, Spain Spanish Language, Spanish Business, Spanish Economy	June 2013-August 2013
EXPERIENCE	Research Assistant <i>University of Michigan, Nuclear Engineering Department</i> <ul style="list-style-type: none">Designed an optical set up for laser-plasma experimentsMeasured particle density in a cluster jet using short-pulsed Interferometry	September 2012-April 2013
PROJECTS	Solar-powered Newton's Cradle <ul style="list-style-type: none">Designed circuitry and structure of device in a team of four studentsBuilt working deviceTested device for functionality in varying light conditions and submitted results in a formal report	January 2013-April 2013
LEADERSHIP	Social Chair <i>The Society of Women Engineers</i> <ul style="list-style-type: none">Organize monthly social activities and a charity concert	September 2013-May 2014
	Engineering Career Fair Committee Chair <i>The Society of Women Engineers</i> <ul style="list-style-type: none">Create directory for career fair and organize registration	March 2013-Present
	Peer Mentor <i>Michigan Research Community</i> <ul style="list-style-type: none">Organize community building activities for freshmen	September 2013-May 2014
SKILLS	<ul style="list-style-type: none">Programming Languages: Matlab, C++Languages: English, Spanish	
ACTIVITIES	Society of Women Engineers, elite member	September 2012-Present
	Michigan Research Community	September 2012-Present
	K-grams (Kids Programs) Pen Pal	September 2012-Present
HONORS	<ul style="list-style-type: none">Joseph M. Geisinger Scholarship recipientTau Beta Pi First Year Award Recipient	

Kathleen Chou

214 N. Thayer, Apt. B, Ann Arbor, MI 48104

Cell: (248) 925-7880 ■ kachou@umich.edu

EDUCATION

- University of Michigan – GPA: 3.95/4.00** Ann Arbor, MI
December 2013
- B.S.E., Materials Science and Engineering – with a Program Certificate in Entrepreneurship
 - Coursework: Metallurgy, Composites, Mechanical Behavior, Thermodynamics
- Université de Technologie de Troyes – Project Management Summer Study Abroad Program** Troyes, France
May – June 2011
- Coursework: Project Management, European Civilization

INDUSTRY EXPERIENCE

- The Boeing Company – Metallurgy Intern** Seattle, WA
May – August 2013
- Implemented test plan and data analysis for corrosion studies of advanced aluminum alloys
 - Developed test procedure for energy mapping of Al alloys using atomic force microscopy
 - Communicated with cross-functional teams to coordinate project work and direction
- GE Aviation – Repair Materials Engineering Intern** Cincinnati, OH
May – August 2012
- Conducted engine component analysis and repair technology development through sectioning, metallographic/SEM evaluation, and documentation for turbine engine components
 - Compiled and presented technical reports showing project progression to completion
 - Developed understanding of metallurgical requirements for materials selection of turbine hardware

RESEARCH EXPERIENCE

- Metallurgy Research Assistant – Dr. John Allison** Ann Arbor, MI
Winter 2013
- Established quantification method for magnesium alloy β phase in automotive shock towers
 - Collected data using optical microscopy, SEM, x-ray diffraction, energy dispersive spectroscopy
- Materials Chemistry Research Assistant – Dr. Richard Laine** Ann Arbor, MI
Fall 2010 – 2012
- Created reaction products of functionalized silsesquioxanes for nanoporous applications
 - Analyzed compounds using Gel Permeation Chromatography, Fourier Transform Infrared Spectroscopy, Thermogravimetric Analysis
 - Supported research published in Chemistry of Materials Journal (American Chemical Society Publication)
- Publication in review:** Jung, J.H.; Chou, K.; Furgal, J.C.; Laine, R.M. “Synthesis of Acetoxy of Hydroxyl Phenyl Terminated Polyfunctional T₈, T₁₀, T₁₂ Silsesquioxanes and Initial Studies on Their Use In the Formation of Highly Crosslinked Polyesters,” Appl. Organomet. Chem. Submitted 8-30-2012.
- Prepared and verified experimental and results sections of publication

LEADERSHIP EXPERIENCE

- Michigan Concrete Canoe Team – Secretary** Ann Arbor, MI
Fall 2012 – Pres.
- Facilitated team discussion for project focus and directed work distribution
 - Executed successful Quality Assurance program in accordance with ASCE competition rules
 - Evaluated testing of mixes for optimal strength to weight concrete design
- Quench: Materials Science Senior Design (MSE 489) – Project Manager** Ann Arbor, MI
Fall 2012
- Developed rolling water purification barrel for clean water access in developing nations
 - Performed consumer needs and market analysis for product introduction and implementation

SKILLS

Language: Mandarin Chinese – Basic speaking and reading ability
Software: ImageJ, Basic Proficiency in Matlab, C++, Java, Maple, Microsoft Project

HONORS AND AWARDS

- James B. Angell Scholar – *Three Consecutive Terms of All A's* 2013
- J. Keith Brimacombe Presidential Scholarship, The Minerals, Metals, and Materials Society (TMS) 2013
- Hosford Endowed Scholarship, University of Michigan Department of Materials Science 2012

ADDITIONAL ACTIVITIES

- Memberships: ASM International, The Minerals, Metals, and Materials Society (TMS)
- Tau Beta Pi Engineering Honors Society – Detroit Partnership Pen Pals Chair (Fall 2012) Fall 2011 – Pres.

Kelsey Hockstad

Contact Information
kelshock@umich.edu
(913) 449-6848

College Address (until May 2014)
326 E Madison St. #6
Ann Arbor, MI 48104

Objective	To obtain a summer 2014 mechanical engineering internship.
Education	University of Michigan, Ann Arbor, MI 48109 Bachelor of Science in Engineering (Mechanical) Junior, Expected Graduation May 2015 Current GPA: 3.96
College Activities & Honors	<p>Tau Beta Pi, Engineering Honor Society Sept. 2012 – Present Membership Chair (Fall 2013): tracking all active members' eligibility for achievement of active, distinguished active, and prestigious active status; managing alumni relations</p> <p>Society of Women Engineers Sept. 2011 – Present Public Relations Director (2013-2014): organizing biweekly seminars for all members, scheduling speakers from industry, supervising officers on Public Relations Committee Social Chair (2012-2013): planned monthly events, collaborated with other student societies, launched Charity Concert 2013 (benefitting the Make a Wish Foundation)</p> <p>Engineering Class Project (Winter 2013): designed, built, and tested a remotely controlled vehicle to compete in a ball-gathering tournament</p> <p>Engineering Class Mentor (Fall 2012): spent at least one hour in lab and one hour outside lab weekly with a designated team building a remotely operated underwater vehicle, served as a mentor and resource</p> <p>Engineering Class Project (Fall 2011): designed, built, and tested a remotely operated underwater vehicle, resulting in a functional prototype; prepared and gave a presentation discussing the aspects of the project</p> <p>Dean's List (all semesters)</p>
Experience	<p>Accenture Summer Intern (2013) – Topeka, KS Kansas Eligibility Enforcement System, Test Team Wrote, uploaded, and executed test scripts using Excel and Rational Quality Manager, logged defects using ClearQuest, updated scripts based on Detailed System Design documents</p>
Community Involvement	<p>Accenture Day of Service – clothing donation awareness volunteer (Summer 2013) FaithWorks – school supply bag collection volunteer (Summer 2013) SWE and ASME Fun Run volunteer (Winter 2013) Tau Beta Pi – Blood Drive volunteer (Winter 2013) Tau Beta Pi – Cancer Center family activity preparation volunteer (Winter 2013)</p>

Catherine Hu

1693 Broadway St. Apt 104 ▪ Ann Arbor, MI 48105 ▪ 248-705-1691 ▪ catjhu@umich.edu

OBJECTIVE

Seeking an internship in the environmental field.

EDUCATION

May 2015
Ann Arbor, MI

University of Michigan
B.S.E in Chemical Engineering
GPA: 3.539/4.0

- Mass and Heat Transfer
- Separation Processes
- Sustainable Engineering Principles

Summer 2013
Munich, Germany

Munich University of Applied Sciences
Engineering for Sustainability

- Five week study abroad program with courses taught in English by professors from the Munich University of Applied Sciences, Strascheg Center for Entrepreneurship, and California Polytechnic State University

- Renewable Energies
- German Language & Culture
- Innovation and Entrepreneurship for Green Technologies

EXPERIENCE

09/2011-06/2013
Ann Arbor, MI

University of Michigan Department of Earth & Environmental Sciences
UROP Research Assistant, Prof. Smith Laboratory

- Project: Understanding Evolution of Ginger Plants and Relatives
- Used the computer program Avizo to compile x-ray tomographs of ginger seeds and studied their structure and composition
- Used Excel and PowerPoint to create poster and present research at symposium

Summer 2012
Jackson Hole, WY

Camp Davis
University of Michigan Rocky Mountain Field Station

- Took a three week course in Environmental Science

Fall 2011
Ann Arbor, MI

Introduction to Engineering team project
Waterproof, buoyant iPad case invention

- Designed, built, and tested a prototype of a waterproof and buoyant iPad case with a clear, touch screen interactive front
- Created PowerPoint presentation and wrote a design report

ACTIVITIES

01/2012-present
Ann Arbor, MI

Society of Women Engineers (SWE)
2012-13 Elementary Outreach Officer, SEE Camp 2013 Co-Director,
Career Fair 2013 Volunteers Co-Chair, 2013-14 Community Relations Co-Chair

- Active member involved in industry, public relations, and outreach events
- Camp counselor for SWE's Summer Engineering Exploration (SEE) Camp, a one week residential camp for high school students, in Summer 2012
- Organized elementary school visits and community service events

ADDITIONAL

- Participated in Campus Band and LeaderShape May 2013
- Volunteered at Detroit Partnership Day 2012, Circle K Service Day 2012, and workdays at the Nichols Arboretum and Cultivating Community garden

Jennifer Y Hung

1811 Willowtree Ln • Ann Arbor, MI 49105 • (319) 290-6918
jyhung@umich.edu

EDUCATION

UNIVERSITY OF MICHIGAN, ANN ARBOR, MI

- B.S. Computer Science Engineering – GPA 3.53/4.00 – May 2014
- Honors: Joseph Geisinger Engineering Scholarship, Robert Byrd Scholarship, Intel Scholarship, General Electric Scholarship, Union Pacific Scholarship, Engineering Dean's List (3 semesters)
- Significant Courses: Data Structures, Algorithms, Introduction to Computer Organization, Databases, Object-Oriented and Advanced Programming

EXPERIENCE

GARMIN INTERNATIONAL

Intern, Personal Navigation Devices Software

Summer 2013

- Increased scalability of Developer Menus by refactoring all of the menu code and reorganizing menus
- Implemented 3 customer specific features that can be configured easily upon future customer requests. Features included configurable warning screen, shut down time, and extra nonvol clear method on start up
- Worked with User Experience team to discuss and implement a new feature for customers to review updates the first time units are booting after an update. More functionality for units that still required work to finish update
- Investigated and fixed product bugs throughout assignment

JOHN DEERE

Intern, Electronics Embedded Software

Summer 2012

- Implemented and tested software for Final Tier 4 Joystick
- Supported team with coding and testing throughout assignment

Early Talent Student, Quality Engineering Department

Summer 2011

- Developed and redefined Appearance Standards for a number of high reject parts
- Created a tool to improve audit training process for Quality Engineers

Early Talent Student, Welding Department

Summer 2010

- Supported a team of Manufacturing Engineers
- Worked on an Asset-Analysis Project for the departments

SOCIETY OF WOMEN ENGINEERS

Treasurer

2013 - Present

- Determine budgets for over 45 different leadership positions and any large scale events
- Push for growth in the leadership corps by creating opportunities for members to vision and take ownership of roles
- Track all money going in and out of the organization and maintain financial relations with college and companies

Career Fair Chair, Operations and Logistics

2012 - Present

SWE Overseas, India

Summer 2013

- Impacted students in Walchandnagar, India by helping plan and support a week long Engineering summer program which aimed to move students away from pure textbook learning and towards real-world Engineering applications
- Built on knowledge of Indian culture and increased global awareness

Webmaster

2012 - 2013

- Determined and implemented strategies to improve the website's functionality and appearance
- Maintain website and update with organization announcements, events, and sign up

Summer Engineering Exploration Camp Counselor

2012

Academic Networking Officer

2011 - 2012

- Started a new mentorship program to connect underclassmen, upperclassmen, and graduate students
- Organized Collaborative Study Table events with other Engineering organizations across campus

VOLUNTEER

CIRCLE K INTERNATIONAL

Technology Committee Member

2012 - 2013

- Maintained member user accounts and service projects calendar and make improvements to website

Environment Committee Member

2012 - 2013

- Worked with community organizations to set up and lead environment related service opportunities for students

COVENANT MEDICAL CENTER

2006 - 2010, Summer 2012

- Contributed more than 300 hours of volunteer service
- Managed visitor front desk, restocked patient rooms and delivered mail and flowers to patients

TAE-HYUNG KANG

Permanent:
9773 Ravenshire Drive
Superior Township, MI, 48198
248-444-6815
taekang@umich.edu

Temporary:
The Courtyards
1780 Broadway Street
Apt #S317
Ann Arbor, MI, 48109-2080

OBJECTIVE

Seeking a summer internship in order to apply my current experience and education and to increase my knowledge and understanding of Electrical Engineering.

EDUCATION

University of Michigan, Ann Arbor, MI May 2015
B.S.E., Electrical Engineering with minor in Mathematics
G.P.A.: 3.82/4.00

M-STEM Academy – University of Michigan, Ann Arbor, MI July 2011
Michigan – Science, Technology, Engineering, and Math Academy
• Participated in 6-week intensive coursework to prepare for college

ACTIVITIES/EXPERIENCES

Tau Beta Pi – Michigan Gamma Chapter December 2012 – Present
• TBP Book Swap Advertising Chair
• 2013 SWE-TBP Career Fair Volunteers Chair

Wang Chu Chein-Wen Research Fund - Ann Arbor, MI May 2013 – August 2013
Wireless Integrated Micro Sensing & Systems
• Achieve quicker response time for Osmotic Actuated Devices
• Characterization of HF glass etching and PDMS Spin Coating
• Fabrication of Microfluidic Devices for Cancer-Cell Capture Research

SRC – University of Michigan, Ann Arbor, MI June 2012-August 2012
Semiconductor Research Corporation Educational Alliance
• Characterization of CMP of Patterned Ni Damascene Wafer
• Wrote SOP for SU-8 Photolithography on Glass Slides
• Trained interns on how to perform SU-8 Photolithography

UROP – University of Michigan, Ann Arbor, MI September 2011-May 2012
Undergraduate Research Opportunities Program
• Design and fabricate Microfluidic Devices
• Test to see if LNF was able to reliably fabricate Microfluidic Channels for future researches

COMPUTER SKILLS

- **Platforms:** Windows 7, Mac OS
- **Applications:** Microsoft Office Suite, Adobe Photoshop, Adobe Illustrator, Altium, L-Edit
- **Languages:** Intermediate Knowledge of C++ and MatLab

LANGUAGES

- Proficient in Korean and English

Nadine S. Karaa

• 925 Church Street, Apt. 5 • Ann Arbor, MI 48104 •
• nkaraa@umich.edu • 617.460.2529 •

OBJECTIVE

To obtain experience during the summer of 2014 in the Civil Engineering and/or Construction Management field.

EDUCATION

UNIVERSITY OF MICHIGAN, ANN ARBOR

College of Engineering – Class of 2014, GPA 3.43/4.00

BSE – Civil and Environmental Engineering, Major GPA 3.55/4.00

Concentration: Construction Engineering and Management

Related coursework: Critical Path Method, Structural Analysis, Construction Contracting, Hydrology, Transportation

EXPERIENCE

PORT AUTHORITY OF NEW YORK AND NEW JERSEY

(Intern, Summer 2013)

- Newark Liberty International Airport in Newark, NJ
- Initiated 14 new and 3 emergency immediate action projects for the Structural Integrity Unit
- Created the annual and updated the quarterly budgets for Operating Major Work Projects for 2013 and 2014

PLANNING AND DEVELOPMENT APPLICATIONS

(Intern, Summer 2012)

- Construction Management company in Newark, NJ
- Developed preliminary project cost estimates on assignment project by assessing materials, labor, landscaping, and other costs

REBUILDING TOGETHER

(February 2012)

Alternative Spring Break Volunteer: Helped rebuild homes and infrastructure affected by Hurricane Katrina.

LEADERSHIP

SOCIETY OF WOMEN ENGINEERS

(Oct 2010-Present)

SECRETARY

(April 2013-Present)

- Member of the Executive Board for SWE at the University of Michigan; manages member communications

COMMUNITY RELATIONS CO-CHAIR

(Jan 2013-April 2013)

- Planned the annual 5K Charity Fun Run to fundraise for Mott's Children's Hospital; organized the College of Engineering Relay for Life team

MEMBERSHIP OFFICER

(Sept 2012-April 2013)

- Tracked and compiled membership statistics; encouraged member involvement and planned elite member events

SWE OVERSEAS

(May 2013)

- First SWE chapter in the Nation to create an overseas program
- Planned and volunteered at a week-long summer camp for high school students in Walchandnagar, India to promote engineering. Created hands-on lessons and competitions, such as bottle rockets and propeller powered cars

CHI EPSILON: CIVIL ENGINEERING HONOR SOCIETY

(Sept 2012-Present)

Officer; presently the Secretary for the University's chapter of the National Civil Engineering Honor's Society and was previously the University of Michigan Engineering Council (UMEC) Representative

CURRENT ACTIVITIES

MICHIGAN CONCRETE CANOE TEAM

(Sept 2012-Present)

Team member; strategic brainstorming and manufacturing of the aesthetic and structural design of the canoe and the stands in preparation for the annual regional competitions

EPEIANS: LEADERSHIP HONORS SOCIETY

(Jan 2013-Present)

Initiate for the College of Engineering Leadership Honor Society

ALPHA PHI OMEGA FRATERNITY

(Jan 2011-Jan 2013)

Active member in the National Community Service Fraternity, organized to provide community service, leadership development, and social opportunities for the University

ASCE: AMERICAN SOCIETY OF CIVIL ENGINEERS

(Sept 2011-Present)

HONORS AND SKILLS

- Dean's List and University Honors (3 semesters)
- Frank J. Lemper Scholarship (Fall 2013)
- SWE Achieve, Advance, Aspire Scholarship (Winter 2013)
- SWE Pacific Union Industry Scholarship (Winter 2013)
- Technical Skills: AutoCAD, RISA, SimaPro, FORTRAN, Matlab, C++, Linux
- Language Abilities: French fluency, elementary Spanish

Local Address
536 S. Forest Ave. Apt. No. 1206
Ann Arbor MI, 48104

Joshua Kempfer
(734) 765-4388
jkempfer@umich.edu

Permanent Address
47427 Madison
Canton MI, 48188

Objective

Acquire a summer internship in Chemical Engineering

Education

University of Michigan

B.S.E in Chemical Engineering

GPA: 3.84/4.0

Ann Arbor, MI
December 2014

- Material and Energy Balances
- Fluid Mechanics
- Chemical Thermodynamics
- Heat and Mass Transfer
- Separation Processes
- Introduction to Material Science
- Structures of Materials
- Polymeric Materials
- Introduction to Design Processes

Industrial Experience

Ford Motor Company

Advanced Evaporative Emissions System Intern

Dearborn, MI
May-August 2013

- Performed a statistical analysis of data to create a transfer function for change in carbon canister mass as a function of pressure, fuel level, and method of testing.
- Conducted tests on Evaporative Leak Check Modules to provide data for leak detection methods on hybrids

Delphi

IT Engineering Systems Intern

Troy, MI
May-August 2012

- Led training session to teach engineers how to use Teamcenter Community
- Coordinated resolution of pre-implementation issues for Teamcenter Community sites
- Designed Win-Loss SharePoint Site

Other Experience

UM -Dearborn Supplemental Instruction Program

Supplemental Instruction Leader

Dearborn, MI
Aug. 2011-April 2012

- Tutor for Physics and Chemistry. Created worksheets for students and helped students develop a deeper understanding of class material
- Instructed up to 30 students in groups

Antonio's Cucina Italiana

Busser

Canton, MI
July 2010-June 2011

- Lead busser, trained new employees, 30 hours/week during school year

Computer Experience

- Proficient with Word, Excel, PowerPoint, SharePoint, and Teamcenter Community. Familiar with ASPEN and Minitab 15 Design of Experiment

Leadership and Extracurricular Activities

- Tau Beta Pi Engineering Honor Society, Publicity Chair (Winter 2013),
Career Fair Senior Publicity Chair and Campus Outreach Chair (Fall 2013) April 2012-Present
- American Institute of Chemical Engineers (AIChE), Member Sept. 2012-Present
- AIChE Chemical Engineering Car Team, Member Sept. 2012-Present

Awards

- A.H White Scholarship May 2013
- Supplemental Instruction Leader Award April 2012

Shobhita Kramadhathi

4301 Derry Road, Bloomfield Hills, Michigan 48302 United States

248-520-0993 | skramad@umich.edu

EDUCATION

University of Michigan – College of Engineering

Major: Materials Science and Engineering

Minor: German

GPA: 3.6/4.0

Ann Arbor, MI

Sept. 2011 - Present

Course Highlights: Organic Chemistry I (Chem 210, 211-lab); Computational Materials Science (MSE 493); Electronic, Magnetic and Optical Materials (MSE 400)

AWARDS AND HONORS

- Dean's List
- UROP-SRC Fellowship
- University of Michigan Energy Institute Fellowship
- Marian Sarah Parker Scholar
- College of Engineering Honor's Program

RESEARCH INTERESTS AND EXPERIENCE

Keen interest in pursuing graduate studies and research in the field of nano-materials and technology.

Experience:

- UROP Scholars Program-Research Assistant, Prof. Jinsang Kim's Laboratory Sept.2012 – Present
 - Project: Organic Photovoltaic Cells
 - Responsibilities: Make devices with different buffer layer/active layer combinations and test for changes in device performance.
- UROP – Semiconductor Research Corporation Summer Fellowship May 2012 – Aug.2012
 - Project: Developing durable, superhydrophobic surfaces.
 - Responsibilities: Create durable, superhydrophobic surfaces using polymer particles and adhesives
- UROP Program-Research Assistant, Prof. Anish Tuteja's Laboratory Sept.2011 – Apr.2012
 - Project: Developing transparent, robust superoleophobic surfaces.
 - Responsibilities: Create superoleophobic surfaces via electrostatic layer-by-layer deposition of nano and micro particles of silica; Test contact angle of liquids on substrates; Modify experimental conditions and reagents based on observations made.

CURRENT ACTIVITIES

Society of Women Engineers: High Outreach Officer (2013-2014)

- High school outreach – Shadow day, high school visits, GREAT Day
- Global outreach (Summer 2013) – Planning and conducting outreach activities in Walchandnagar, India

College of Engineering Honors Program Student Advisory Board

- Liaise between Honors students and program advisors to provide an academically and socially complete experience to students.

SKILLS AND INTERESTS

- Laboratory Equipment: Optical and Fluorescent Microscope, Goniometer, SEM, Langmuir-Blodgett Trough, UV-Visual Spectrometer
- Computer: Microsoft Word, Excel, Powerpoint; ProEngineer CAD software; MINITAB (Statistics software); MAPLE; C++ and MATLAB programming languages.
- Language: Proficient in German

Cynthia Lu

(630) 210-1059 • cindylu@umich.edu

OBJECTIVE:

- Seeking 2014 summer internship utilizing my engineering technical skills and prior experience in industry

ACADEMIC PROFILE:

- University of Michigan – Ann Arbor
- GPA: 3.72
- Year: Junior
- Major: Electrical Engineering
- Minor: Multidisciplinary Design
- Awards/Honors:
 - 2011: Dean's List, University Honors
 - 2012: Dean's List, University Honors
 - 2013: James B. Angell Scholar

WORK EXPERIENCE

Union Pacific IT Intern

May 2013 – August 2013

Union Pacific Headquarters, Omaha NE

- Successfully developed in a team a system for intermodal container security
- Lead the programming of Raspberry Pi's and GPS devices to accurately track and report container status
- Designed the 3D printed system enclosure using SolidWorks
- Gained experience scheduling meetings and presenting information to corporate superiors

Research Assistant

February 2012 – May 2012

Integrated Biosystems and Biomechanics Lab (IBBL) under Dr. Jianping Fu

- Created nanopost molds for study in tensional homeostasis in cells, integral in pathological research
- Assisted with diluting stem cell populations used in the study of mediating stem cell functions

LEADERSHIP

2013 SWE/TBP Career Fair Operations Chair

April 2013 – present

- In charge of reserving parking lots and keeping track of attending companies
- Responsible for printing parking passes and directional flyers
- Will work to set up tables and direct company packages

2012 SWE/TBP Career Fair Publicity Chair

April 2012 – September 2012

- In charge of designing, organizing, ordering, and printing any advertisements related to the Career Fair
- Developed solid communication and decision-making skills through planning with other committees

Freshman Mentor for 36 Hour Design Immersion

August 2012

University of Michigan, Multidisciplinary Design Program

- Led and engaged two teams of five freshmen with the design challenges presented
- Excelled in enthusiastic communication, time management, and organizational skills

TEAM PROJECTS

Union Pacific Multidisciplinary Design Team (ENGR455)

January 2013 – present

- Working on team of six student engineers to develop a tamper evident seal for containers for Union Pacific
- Responsible for meeting minutes, sensor research, seal design, and developing electrical schematics
- Successfully designed detailed Pugh Chart to organize our design solutions to present to Union Pacific
- Developed professional technical communication skills from bi-weekly conference calls to Union Pacific

BLUElab – Woven Winds

September 2012 – present

- Tasked with finding a low-cost and efficient generator to supply power to charge a cell phone
- Helped design and build working circuit to charge a cell phone using recycled cell phone batteries

COMPUTER SKILLS:

- Platforms: Windows, Mac OS, Linux
- Languages: Python, C++, Java, MatLab, Wolfram Mathematica, Maple

Cameron McBride

camcbrid@umich.edu
248-342-8407

Current Address

3226 North Quadrangle, 105 S. State St.
Ann Arbor, MI 48109

Permanent Address

3473 Summit Ridge Dr.
Rochester Hills, MI 48306

EDUCATION

University of Michigan

Ann Arbor, MI

- Mechanical Engineering, Graduating May 2015
- **GPA 3.92/4.0**
- Minor in Electrical Engineering and German Language

Relevant Coursework

- Circuits, Statics, Dynamics, Thermodynamics, Design and Manufacturing, Mechanics of Materials, Fluid Dynamics, Controls, Design for Manufacturability

Technische Universität Berlin

Berlin, Germany

Study Abroad

Summer 2012

- International laboratory experience—wood gasification project
- Made overseas contacts and practiced German language with native speakers

EXPERIENCE

University of Michigan

Ann Arbor, MI

Research Assistant

April 2013-present

- Design and implement a material testing setup using ultrasound
- Fabricate and optimize new materials; test relevant material properties of new materials
- Prepare and present weekly progress reports of findings

University of Michigan Instructional Support Services

Ann Arbor, MI

Media Assistant and Student Shift/Project Manager

Sept 2011-April 2013

- Trained new employees (35+) and led student employee operations
- Assisted instructors with technology issues in classrooms including troubleshooting

LEADERSHIP

Tau Beta Pi

Ann Arbor, MI

Corporate Relations Officer

April 2013-present

- Coordinate information sessions for companies
- Facilitate communication with companies interested in recruiting members

SWE/TBP Career Fair Chair

Ann Arbor, MI

Operations Committee

May 2013-present

- Organize operations for the SWE/TBP Career Fair, which includes parking, shipping, and logistics

Society of Women Engineers

Ann Arbor, MI

Summer Engineering Exploration Camp Logistics Officer

Dec 2012-July 2013

- Coordinated activities for 50 campers including tours, transportation, engineering design challenges, and food arrangements for a weeklong camp for high school students.
- Gave a comprehensive overview of engineering disciplines to campers

ADDITIONAL

- C++, Matlab, Solidworks, NX8, Mathematica, MS Office
- 4th semester James B. Angell Scholar (all A's each semester), Dean's list, University honors
- 2013 University of Michigan Merit Award Scholarship recipient

Ariana Mirian

16210 Nathan Dr., Macomb, Michigan 48044 United States
(586) 854-3737 | amirian@umich.edu

EDUCATION

College of Engineering, University of Michigan
Bachelor's, Computer Science and Engineering, International Minor GPA: 3.53

Ann Arbor, MI
September 2012 - Present

RELATED EXPERIENCE

Technische Universität Berlin
Student

Berlin, Germany
May 2013 - June 2013

- Worked with other Engineers in collaborative environment to Program M3PI Polulu Robot
- Programmed robot in C++ to mimic Kiva Robots from Amazon and to implement Extremum Seeking Controller

ADDITIONAL EXPERIENCE

- Familiar with C++/C, Matlab, HTML, CSS, JavaScript, JQuery, PHP, Python, Ruby, and basic theory of algorithms from classes and personal projects

September 2013

- Pertinent Classes already completed: Advanced Programming Course, Engineering Technical Writing Course, Calculus (through Differential Equations)

September 2013

- Pertinent classes to be taken this year: Data Structures and Intro to Algorithms Course, Introduction to Logic Design, Introduction to Computer Organization, Algorithms Course

September 2013

Society of Women Engineers
Middle School Outreach Officer

Ann Arbor, Michigan
August 2013- Present

- Organized events for local middle schools students, increasing awareness of math, science, and technology as a career
- Assisted in various subcommittees to plan events for charitable causes during 2012-2013 school year
- Member of Career Fair Council, which organizes logistics of the largest Career Fair on Campus

Science Learning Center
Study Group Facilitator

Ann Arbor, Michigan
September 2013 - Present

- Held a study group for University students and facilitated discussion about problems with the course material

University of Michigan College of Engineering Honor Council
Council Member

Ann Arbor, Michigan
February 2013 - Present

- Worked with other students on council to determine violations of the Honor Code
- Provided service to the College of Engineering

Women in Science and Engineering Residential Program
Peer Mentor

Ann Arbor, Michigan
September 2013 - Present

- Assisted new students with the transition to college life
- Also a member for the 2012- 2013 school year
- Collaborated with other participants about increasing role of women in science and technology fields

Women in Science and Engineering Residential Program
Spokesperson

Ann Arbor, Michigan
January 2013 - May 2013

- Attended high school events and talked to students about WISE RP program
- Answered any other questions or concerns about the University and College of Engineering

Persian Student Association
Member and Cultural Show Performer

Ann Arbor, Michigan
September 2012 - Present

- Performer and stage manager in the annual New Year's show
- Collaborated with other students to preserve Persian culture
- Strived to teach campus of importance of Persian culture

Jonathan Pevarnek

pevarnj@gmail.com

+1 734 743-1603

- EDUCATION** ◇ **University of Michigan**, Ann Arbor, MI
BSE: Computer Science (September 2010 – December 2013)
GPA: 3.62/4.00 (3.73/4.00 in major)
Relevant courses:
Microprocessors and Toys (Verilog, E100 ISA) Computer Organization (C, MIPS ISA)
Compiler Construction (C, Compiler Tools) Cryptography
Operating Systems (C++) Web Databases (Java, PHP, MySQL, JavaScript)
Networks (C++) Mobile Application Design (Java, Objective-C)
- EXPERIENCE:** ◇ **Simple Operating System for z/Architecture Machines** (C, Assembly)
PROJECTS
· Simple single-user OS with filesystem, dynamic memory, memory protection, and a shell
· Includes filesystem, dynamic memory, memory protection, and a shell
- ◇ **Automated Nerf Gun Turret** (Verilog, E100 ISA)
· Project for Microprocessors and Toys class
· Computer controlled firing of a Nerf gun with automatic target detection
- ◇ **Circle K Calendar** (PHP, MySQL, HTML, JavaScript, CSS)
· System for project and member tracking, used by most Circle K clubs in Michigan
- EXPERIENCE:** ◇ **Engineering Intern**, Fog Creek Software (May 2013 – August 2013)
EMPLOYMENT
· Added processing of inbound emails to Trello, a web-application for project management
· Implemented billing system for a premium Trello feature
· Added user-manageable account credentials to Trello
- ◇ **Instructional Aid**, University of Michigan (September 2013 – present)
· Taught a discussion section and held office hours for operating systems class
- ◇ **Engineering Intern**, Barracuda Networks (November 2011 – present)
· Created regression suite and debugger for Moebius, a log-structured key-value store
· Recreate storage space balancing for RSD, a distributed cloud storage system
· Implemented file replication manager and radar-sweep verification manager for RSD
- EXPERIENCE:** ◇ **Talking Book Software Team** (September 2012 – April 2013)
RESEARCH
· Research project to reduce the cost of Literacy Bridge Talking Books
· Created FUSE interface to modify device content
- TECHNICAL** ◇ **Operating Systems:** Linux (Debian, Red Hat, Gentoo), Microsoft Windows (XP, Vista, 7)
SKILLS
◇ **Languages:** C, C++, Python, Java, PHP, HTML/JavaScript/CSS, CoffeeScript, L^AT_EX
◇ **Applications:** Mercurial, Git, Vim, Eclipse
◇ **Other Technologies:** node.js, MongoDB, MySQL
- VOLUNTEER** ◇ **Circle K** (September 2010 – Present)
WORK
· 800+ Logged Service Hours
· 2013-2014 International Trustee for Subregion C (Midwest Region of the US)
- ◇ **Eta Kapa Nu** (September 2012 – present)
· Honor society for Electrical Engineering and Computer Science
- ◇ **Career Fair Planning Committee** (March 2013 – present)
· Responsible for managing website for fall Engineering Career Fair
- ◇ **Tech Day Planning Committee** (October 2010 – October 2012)
· Planned Tech Day recruitment event for the UofM College of Engineering

Ariella K. Rose

989-615-3723

Permanent Address

3366 N. Waldo Rd.
Midland, MI 48642

akrose@umich.edu

Temporary Address

919 S. Division St, Apt. 104
Ann Arbor, MI 48104

OBJECTIVE

Pursuing a full-time position in Industrial and Operations Engineering, available for employment May 2014.

EDUCATION

UNIVERSITY OF MICHIGAN

B.S.E in Industrial and Operations Engineering

Ann Arbor, Michigan

May 2014

- GPA: 3.996
- Relevant Coursework: Quality Engineering Principles and Analysis, Service Operations Management, Mathematics of Finance, Production and Inventory Control, Making Financial Decisions, Work Organizations

PROFESSIONAL EXPERIENCE

ALCOA, INC

Cleveland, Ohio

Quality Engineering Intern, Alcoa Wheel and Transportation Products

May – August, 2013

- Investigated the correlation between forging die temperature and forge scrap resulting in potential scrap cost reductions of \$13000 annually through alteration of process parameters
- Applied ABS principles to assist in reorganizing a cell of the plant floor and developed a standardized work procedure for the cell operator to determine the capability of performing tasks
- Aided in data analysis of scrap at Alcoa subcontractors to increase awareness of special causes

UNIVERSITY OF MICHIGAN

Ann Arbor, Michigan

Undergraduate Research Assistant, Optimization in Healthcare

January 2013 – May 2013

- Executed the program to create the work schedule for medical residents in the emergency department of the University of Michigan Health System
- Identified patterns in past scheduling and research information to support and co-author an in-progress publication proving optimization programs in the healthcare industry are beneficial

DOW CORNING CORPORATION

Midland, Michigan

Summer SEED Intern, Processing Engineering Department

May – August, 2012

- Restructured and streamlined inventory and training processes to accommodate more people, ease transitions between employees, and eliminate out-of-date practices
- Applied 5S principles to increase awareness and improve efficiency of the workplace
- Improved and built accessible accountability maps of space and equipment

THE SALVATION ARMY

Midland, Michigan

SHARE Summer Day Camp Counselor

June – August, 2009-2011

- Prepared and managed the camp site with 5-10 peers, performing the site director's duties in his absence, supervising over 20 children, ages 4 to 16, and peers
- Developed, organized, and implemented daily activities involving large groups

ADDITIONAL SKILLS AND AWARDS

- Minitab, Visual Basic, ProModel, MATLAB, C++, and Microsoft Office, Visio, and SharePoint
- Six Sigma Black Belt Trained
- Dean's List and University Honors: Fall 2010, 2011, 2012; Winter 2011, 2012, 2013
- James B. Angell Scholar and William J. Branstrom Freshman Prize

ACTIVITIES

- Tau Beta Pi Engineering Honor Society, Secretary, April 2013 – present
- SWE/TBP Engineering Career Fair Directory and Registration Chair, February 2012 – present
- Outrage Dance Group, member, September 2011 – present
- Tau Beta Pi Engineering Honor Society, District 7 Conference Chair, January 2012 – April 2013

JAMIE L SANDERSON

205 S State Street, Corner House – Apt 7D, Ann Arbor, MI 48104
jlsand@umich.edu • 989.859.5969

EDUCATION	UNIVERSITY OF MICHIGAN College of Engineering <ul style="list-style-type: none">• B.S.E. in Industrial and Operations Engineering, May 2015• GPA: 3.78/4.00• Minor: German• Admitted: Engineering Global Leadership (EGL) Honors Program• James B. Angell Scholar – Two consecutive terms of straight A's• William J. Branstrom Freshman Prize – Upper five percent of freshman class	Ann Arbor, MI
EXPERIENCE	DAIMLER AG <ul style="list-style-type: none">• Increased knowledge of truck technology, testing, and German work style• Attended daily video conferences with Japanese partner and assisted in efforts to ensure individual and assembled supplier parts were consistently tested and passed geographically-diverse criteria	Stuttgart, Germany
Summer 2013	CARL DUISBERG CENTREN <ul style="list-style-type: none">• Assisted international students during move-in and cultural outings• Performed office responsibilities and some translation work• Compiled competitive analysis of other language and cultural centers	Berlin, Germany
Summer 2013	CON-WAY® FREIGHT <ul style="list-style-type: none">• Contributed to design of computer program to help optimize number and location of EOBR-installation sites for 8000+ trucks	Ann Arbor, MI
Winter Semester 2013	SOCIETY OF WOMEN ENGINEERS (SWE) <ul style="list-style-type: none">• Member of executive board that provides vision for 300+ member society, advances programming of 300+ events each year, and maintains and improves inter-society and university relations	Ann Arbor, MI
2011 - Present	Vice President, 2013-2014 <ul style="list-style-type: none">• Member of executive board that provides vision for 300+ member society, advances programming of 300+ events each year, and maintains and improves inter-society and university relations FY14 SWE Future Leader, 2013-2014 <ul style="list-style-type: none">• One of eleven collegiate members chosen to represent the eight-state Region H Career Fair Receptions Co-Chair, 2013 College Relations Co-Officer, 2012-2013 <ul style="list-style-type: none">• Organized SWE participation in 7+ major college events• Co-chaired Mr. Engineer pre-show dinner and competition, selling out 444-seat venue and donating \$4000 to help underrepresented youth pursue STEM-related careers	Ann Arbor, MI
Fall Semester 2011	UNIVERSITY OF MICHIGAN COLLEGE OF ENGINEERING <ul style="list-style-type: none">• Collaborated with four-member team and Detroit-area community partner, Focus:Hope, to design freestanding pavilion, water catchment system, and storage workbench to increase urban agriculture• Evaluated winterization of catchment system	Ann Arbor, MI
STUDENT IN ACADEMIC PROJECT	<ul style="list-style-type: none">• Collaborated with four-member team and Detroit-area community partner, Focus:Hope, to design freestanding pavilion, water catchment system, and storage workbench to increase urban agriculture• Evaluated winterization of catchment system	
ADDITIONAL	<ul style="list-style-type: none">• Tau Beta Pi Engineering Honor Society• Alpha Pi Mu Industrial Engineering Honor Society• Epeians Engineering Leadership Honor Society• Institute of Industrial Engineers, Student Member (2013)• University of Michigan Engineering Council – SWE Representative (2012-2013)• University of Michigan Dance Marathon (2011-2012)• University of Michigan Toastmasters Club (2011)• Conversational in German• Avid traveler - have visited 14 countries in five continents including recent volunteer trip to Peru• Enjoy tennis - high school tennis team placed 2nd (2010) and 3rd (2011) at Div I state tournament	

ALYSSA WOO

Permanent Address: 1003 Whispering Oak Dr Midland, MI 48642 Phone: 989-324-0622 (cell)		School Address: 359 Jordan, Mosher Jordan 200 Observatory St Ann Arbor, MI 48109 Email: wooae@umich.edu
Objective	To obtain a summer internship where I can exhibit both my technical and leadership skills.	
Education	University of Michigan <i>B.S.E. in Chemical Engineering Winter 2016</i> <i>GPA: 3.836/4.000</i> <ul style="list-style-type: none">Current courses: Material & Energy Balances, Programming & Introductory Data Structures, Introduction to Materials & Manufacturing	Ann Arbor, MI Sept. '12 – present
	University of Michigan Design Immersion Program <i>Program participant</i> <ul style="list-style-type: none">2-day program for 200 selected first-year engineering students at University of Michigan; examined and evaluated various design heuristics; worked in teams to design and build in design challenges	Ann Arbor, MI Aug. '12
	The Procter & Gamble Company <i>Global Physical Distribution Summer Intern</i> <ul style="list-style-type: none">Created and managed implementation and analysis of vendor-based survey to determine operational partnership to 90 vendors with a total spend of over \$800 millionAnalyzed, consolidated & catalogued global capability database and created user-friendly access to critical documentation for work processes, benchmarking & trainingInvolved leaders from every global regionCreated communication platform to increase overall organization & productivity, and trained regional users on how to access and customizeDeveloped a tool to support comparison of organizational training protocols and required qualifications to identify gaps	Cincinnati, OH May '13 – Aug. '13
Work Experience	University of Michigan Medical School <i>UROP Research Assistant, Dr. Ptaschinski Laboratory</i> <ul style="list-style-type: none">Aimed to better understand mechanism by which respiratory syncytial virus (RSV) drives Th2 response in lungs in order to identify target for potential therapeuticsAnalyzed histone 3 lysine 4 (H3K4) tri-methylation at key cytokine promoters following RSV infection by performing various lab techniques including RNA extraction, cDNA formation, real-time PCR, culturing cells, ChIP, primer design, Western blots, etc.	Ann Arbor, MI Sept. '12 – present
	Michigan Research Community <i>Recruitment Team</i> <ul style="list-style-type: none">Engaged high school students at Campus Day events to increase awareness and spark interest of MRC	Ann Arbor, MI Jan. '13 – Apr. '13
	Society of Women Engineers Community Relations Co-chair (2013-2014), SWE/TBP Engineering Career Fair Publicity Chair (2013), Summer Engineering Exploration Camp Communications Officer (2012-2013)	
Leadership Experience	Michigan Research Community Peer Mentor (2013-2014)	
Language	Intermediate French	
Activities	Society of Women Engineers <i>Elite member</i> <ul style="list-style-type: none">Attended Region H Conference 2013 at University of Minnesota	Sept. '12 – present
Honors	University Honors (Fall 2012, Winter 2013)	
	University of Michigan Dean's List (Fall 2012, Winter 2013)	
	University of Michigan Regents Merit Scholarship (2012)	

Meredith Wood

38186 South Julian St., Clinton Township, MI 48036 **Phone:** 586.871.0560 **Email:** mkwood@umich.edu

Education

Bachelors Nuclear Engineering

August 2012 - Present

University of Michigan College of Engineering *Ann Arbor, Michigan*

GPA: 3.6 Enrolled in: Calculus 216 (Differential Equations), Physics 140/141 (Mechanics), UC 280 (Undergrad Research), & Engineering 101 (Introduction to Programming)

Chippewa Valley High School *18300 19 Mile Road Clinton Township, Michigan*

August 2008 - June 2012

Grade point: 4.084 out of 4.0 (above 4.0 due to credit for AP scores); Valedictorian of a class of 696

Relevant AP Classes: Biology, Physics B, Chemistry, Calculus AB/BC - Received 28 College Credits

Experience

University of Michigan Medical School, Division of Metabolism,

September 2012 – Present

Endocrinology & Diabetes - Research Assistant *Ann Arbor, Michigan*

- Researched proinsulin degradation and the contribution of different amino acid mutations to type I diabetes
- Gained proficiency in data collection and analysis
- Learned lab skills such as DNA extraction and isolation, maintaining cell cultures, and working with mice

Society of Women in Engineering - Elite Member *University of Michigan, Ann Arbor*

September 2012 - Present

- 2013 Career fair Receptions Committee chair
- Planned Mr. Engineer 2012 charity event; raised money for Detroit Area Pre-College Engineering Program
- Chosen to represent the University of Michigan at the SWE Region H conference
- 2013-14 College Relations Officer; Managed how society interacted with U of M, sole planner of Mr. Engineer 2013

College of Engineering Peer Mentor *University of Michigan, Ann Arbor*

March 2013 – Present

- Assisted incoming freshmen in their transition to college
- Provided information on succeeding and getting involved on campus

Vector Marketing - Receptionist *Shelby Township, Michigan*

May 2013 – Present

- Assembled a team of workers for one of the top company offices in America
- Screened applicants for positions with Vector
- Answered phones, made calls, and represented the company via telephone

Nationals Honors Society - Secretary *Chippewa Valley High School, Michigan*

September 2011- June 2012

- Organized community service and ensured participation; developed organizational and management skills
- Member for Junior and Senior years

Girl Scouts of America - Volunteer *Traverse City, Michigan*

Summer 2007

- Marine Biology research experience; involved taking samples of lake sediment and wildlife, analyzing them, and interpreting them. Became skilled in data collection and analysis

Activities

Varsity Swimming-Team Captain (*senior year*) *Chippewa Valley High School, MI*

August 2008 - November 2011

- Developed leadership, organizational skills. Planned fundraisers, team bonding events, & acted as a role model

Varsity Tennis-Team Captain (*senior year*) *Chippewa Valley High School, MI*

March 2009 - May 2012

Achievements

Channel 7's Brightest and Best - Selected to represent high school for Southeast Michigan for academic performance

All County Academic Team - 4 years Varsity Swimming, 3 years Varsity Tennis

Skills

- Lab skills: DNA extraction & isolation, maintaining cell cultures, & working with mice (tagging, tailing, observing behavior and health)
- Proficient in Microsoft Word and PowerPoint. Experienced in Excel