

Cynthia Lu

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ACADEMIC PROFILE

- **University of Michigan – Ann Arbor** Graduation: December 2014
- GPA: 3.71
- Major: Electrical Engineering
- Minor: Multidisciplinary Design

WORK EXPERIENCE

Cisco Systems Supply Chain Operations Intern (Test Engineer) May 2014 – August 2014

Cisco Systems Headquarters, San Jose CA

- Presented to executives and won second place in a cross functional team case competition against 10 other groups
- Diagnosed and resolved bugs in LED test code in C, integral for new upcoming router hardware release
- Designed test sequences and implemented code changes to ensure correct LED functionality
- Provided comprehensive error analysis and software documentation for 3 router test codes to increase awareness and productivity of test engineers

Union Pacific IT Intern (Systems Engineer) May 2013 – August 2013

Union Pacific Headquarters, Omaha NE

- Devised, implemented, and tested an intelligent electrical system for intermodal container security
- Led the programming of Raspberry Pi's and GPS devices to accurately track and report container status
- Developed and debugged the Python code that linked RFID functionalities to the system
- Designed a custom 3D printed system enclosure for our system worth \$1,400 using SolidWorks

Voluntary 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

SWE/TBP Engineering Career Fair Chair (Publicity, Operations, Volunteers) April 2012 – present

- Actively involved in three leadership roles in the SWE/TBP Career Fair committee over the course of three years
- Designed, ordered, and printed over \$1,000 in banners and advertisements related to the Career Fair
- Reserved parking for 300+ companies and directed volunteers and chairs to coordinate parking logistics
- Coordinated tables and booths set up and ensured proper company package delivery
- Will be directing 100+ volunteers to guarantee smooth career fair operation

2014 Union Pacific Multidisciplinary Design Team Mentor January 2014 – May 2014

- Advised a cross functional team of 6 on deadlines and timelines for deliverables throughout the semester
- Imparted valuable feedback on a weekly basis concerning how to interact with a corporate client, stay focused on the problem, and provide insight, direction, and momentum to the design project
- Provided the team with resources, points of contact, logistical information, and timely responses to questions
- Investigated team dynamics and helped locate and troubleshoot internal team conflict through individual chats

TEAM PROJECTS

2013 Union Pacific Multidisciplinary Design Team (ENGR455) January 2013 – December 2013

- Developed a tamper evident seal for Union Pacific intermodal containers within a 6 person team
- Designed circuit connections, integrated sensors, and prototyped and 3D printed the SolidWorks encasing
- Tested intensively correct functionality and presented design solution at the Winter Design Expo
- Compiled a comprehensive testing, sensor integration, and circuit connection documentation in a 25 page report

ADDITIONAL INFORMATION

Awards/Honors: - Dean's list: 4 semesters, University Honors: 5 semesters, 2013 James B. Angell Scholar (straight A's at least 2 semesters), Eta Kappa Nu (HKN)

Computer Skills: - Platforms: Windows, Mac OS, Linux
- Languages: Python, C++, C, Java, MatLab, SolidWorks