

# Maggie Mao

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## **OBJECTIVE**

Seeking Software Engineering summer internship

## **Education**

University of California, Los Angeles, CA  
Master of Science in Computer Science

Sep 2016 - March 2018

Purdue University, West Lafayette, IN  
Bachelor of Science in Computer Science, GPA 3.86/4.00

Aug 2011 - May 2014

## **Work Experience**

### **Software Development Engineer at Yahoo**

July 2014 - Sep 2016

- Delivered the next generation publishing platform for all Yahoo editors and external teams. One recent project is building a search engine that indexes all streaming data.
- Worked on content ingestion/acquisition system which owns primary responsibility of content inflows of videos, news, and articles that appear across all Yahoo sites (Yahoo.com, Sports, Finance, etc.).
- Developing on Java-based technologies: Storm, Jetty, etc.

## **Research and Projects**

### **Intel Galileo Project**

Jan 2014 - May 2014

- Purdue Computer Science Honor Research. Implemented and tested Xinu NAT (Network Address Translation) for TCP (Transmission Control Protocol) on X86 platform.
- The Galileo is an Arduino-compatible board that uses the Intel architecture, which allows the use of software compatible with the Intel architecture.

### **Face Detection Project**

Oct 2013 - Dec 2013

- Using camera sensor and OpenCV face detection API, my team built an application on Raspberry Pi that recognizes people and sends notifications to subscribed users.
- We think this project is interesting because the camera can be installed on the front door to distinguish strangers and family members.

### **EZRide (CS307 Course Project)**

Aug 2013 - Dec 2013

- We delivered a web application and an Android application that allow a group of people to schedule carpooling. I primarily worked on web app development in this project. <http://guanqunmao.com/ezride/>
- User can create or join groups, input his/her schedule into the group, retrieve the other members who have similar schedules, and share their locations.
- I led a team of five students.

### **Purdue University Engineering Projects in Community Service (EPICS)**

Jan 2012 - May 2012

- We developed a scheduling application for Lafayette Crisis Center to arrange volunteers' shifts

## **Honors and Scholarships**

<b>Grace Hopper Conference Scholarship</b>	2013 - 2015
<b>Purdue University Nylin Endowment Scholarship</b>	2013 - 2014
<b>Purdue University Discovery Park Scholarship</b>	2012 - 2014
<b>Dean's List &amp; Semester Honors</b>	2011 - 2014

## **Teaching Experience**

**Teaching Assistant (CS159, CS177)** Jan 2013 - May 2014

- Introductory Computer Science classes for first year Science and Engineering students.
- Hosting lab sections and office hours, grading projects, labs, homework assignments, and etc.

## **Leadership Experience**

**Corporate Liaison of Computer Science Women's Network (CSWN)** Feb 2013 - June 2014

- CSWN is an organization at Purdue University consisting of people (both students and staff) who are dedicated to helping women in the Computer Science field. Our goal is to encourage women in Computer Science to stay in the field and prosper.
- My role is Corporate Liaison. I'm in charge of reaching out to our corporate partners and hosting events that aim at helping CS girls.

**Mentor of Women in Science Program (WISP)**

Aug 2012 - Aug 2013

- We reach out to women in College of Science, and form a community of women in Science.
- My role is mentoring new girls in College of Science, and helping them get used to college life.

## **Skills**

Programming languages: Java, Python, JavaScript, CSS, HTML, MySQL, Scala, LISP

Platforms: Mac OS, UNIX, Windows

IDE/Editors: IntelliJ, Eclipse, Xcode, Sublime, Vim

Source Control: Git, SVN