

Guanqun Mao

785 Weyburn Terrace, Apt 304, Los Angeles, CA, 90024

765-588-7511, guanqunmao@me.com

<http://www.guanqunmao.com/>

Education

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

Sep 2016 - Present

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

- I worked for publishing team that creates next generation publishing platform for all Yahoo editors and external teams. One recent project is building a search engine that can be used for editorial/publishing use cases to search content.
- I have experience with iOS development and worked with another engineer to create a publishing application Front End using swift.
- Previously, I worked for a team that 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

- It's a CS497 Honor Research Project. I 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.

Raspberry Pi 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

- I led a team of five students.
- 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.

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

Purdue University Nylin Endowment Scholarship	2013 - 2014
Purdue University Discovery Park Scholarship	2012 - 2014
Dean's List & Semester Honors	2011 - 2014

Teaching Experience

Teaching Assistant (CS159, CS177) Jan 2013 – May 2014

- 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