

# Maggie Mao

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## EDUCATION

### UNIVERSITY OF CALIFORNIA, LOS ANGELES

M.S. IN COMPUTER SCIENCE  
Expected Mar 2018  
GPA: 3.85/4.00

### PURDUE UNIVERSITY

B.S. IN COMPUTER SCIENCE  
May 2014 | West Lafayette, IN  
Dean's List (All Semesters)  
GPA: 3.86/4.00

## LINKS

Github:// [echowand](#)  
LinkedIn:// [guanqunmao](#)

## SKILLS

### PROGRAMMING

Over 10000 lines:  
Java • Python  
Over 5000 lines:  
JavaScript • CSS • HTML • PHP  
Over 1000 lines:  
Scala • SQL • C++ • R • Swift  
Objective-C  
Tools and platform:  
IntelliJ • Sublime • Vim • Xcode  
Git • UNIX

## COURSEWORK

### GRADUATE

Distributed Systems  
Database Systems

### UNDERGRADUATE

Intro to the Analysis of Algorithms  
Compilers: Principles and Practice  
Computer Networks  
Embedded Systems  
Data Mining & Machine Learning  
Operating Systems  
Computer Graphics Python  
Programming (Teaching Asst)

## EXPERIENCE

### YAHOO | SOFTWARE ENGINEER

July 2014 – Sep 2016 | Sunnyvale, CA

- Delivered the next generation publishing platform. All Yahoo editors and external teams use this platform to publish news, articles, videos to all Yahoo sites. I took the full ownership of building the search engine that indexes all streaming data.
- Worked on iOS development for Dispatcher & Reporter, which is the mobile version of the publishing platform.
- 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, Hadoop, etc.

## RESEARCH AND COURSE PROJECTS

### IMPROVING RECOMMENDATION ALGORITHM | RESEARCH

Jan 2017 – Present | Los Angeles, CA

We are proposing a model that will improve the accuracy of recommended content to users. (<https://www.kaggle.com/c/outbrain-click-prediction>)

### EZRIDE | TEAM LEADER

Aug 2013 – Dec 2013 | West Lafayette, IN

Lead a team of five students. We delivered a web application and an Android application that allows a group of people to schedule carpooling/meetings.

### INTEL GALILEO PROJECT | RESEARCH

Jan 2014 – May 2014 | West Lafayette, IN

Implemented and tested Xinu NAT (Network Address Translation) for TCP (Transmission Control Protocol) on X86 platform.

### SCHEDULING APPLICATION FOR LAFAYETTE CRISIS CENTER

| COMMUNITY PROJECT

Jan 2012 – May 2012 | West Lafayette, IN

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

[https://epics.ecn.purdue.edu/disc/pastmembers\\_Spring\\_12.php](https://epics.ecn.purdue.edu/disc/pastmembers_Spring_12.php)

## AWARDS

- 2015 Grace Hopper Conference Scholarship, Google
- 2014 Nylin Endowment Scholarship, Purdue University
- 2014 Discovery Park Scholarship, Purdue University
- 2013 Grace Hopper Conference Scholarship, Purdue University
- 2013 Discovery Park Scholarship, Purdue University

## SOCIETIES

- 2013-2014 Corporate Liaison Computer Science Women's Network (CSWN)
- 2012-2013 Mentor Women in Science Program (WISP)