

# DAVID MAO

<http://davidmao.me/> | [david.mao@gmail.com](mailto:david.mao@gmail.com) | (408) 513-4032 | <http://lnkd.in/yeg8kE/>

---

## EDUCATION

---

### University of California, Los Angeles

June 2014

*Bachelor of Science, Computer Science*

- ⇒ Relevant Courses: Web Applications, Algorithm Analysis, Database Systems, Artificial Intelligence Fundamentals, Computer Security, Object-Oriented Design, Software Engineering, Computer Graphics, Operating Systems

---

## COMPUTER SKILLS

---

### Technical Skills

- ⇒ **Languages & Technologies:** Java, JavaScript, C/C++, HTML, CSS, Git, AWS, Spring, Linux, jQuery
- ⇒ **Familiar With:** Python, Ruby, PHP, SQL, Objective-C, Lisp, Prolog

---

## WORK EXPERIENCE

---

### Amazon.com, Inc.

August 2014 - Present

*Amazon Logistics | Software Development Engineer*

### Adobe Systems

June 2013 – September 2013

*(Creative) Cloud Development Team | Summer Intern*

- ⇒ Created a Feature Flipper using backbone.js, allowing developers to customize feature sets for A/B testing
- ⇒ Designed a tool for Creative Cloud using Ruby, allowing admins to configure API access credentials to specific clients
- ⇒ Overhauled the AWS Elastic Load Balancing configuration logic, migrating from awssum.io to AWS SDK for node.js
- ⇒ Collaborated with Adobe Globalization Core Services to refine locale-formatting rules for the cloud file view

### UCLA Common Collaboration & Learning Environment

July 2012 – September 2012

*Web Development Team | Summer Intern*

- ⇒ Implemented functionalities to revamp UCLA's entire course management system, utilized by 25,000+ students
- ⇒ Transitioned the outdated system to an upgraded software foundation using the LAMP stack
- ⇒ Managed MySQL databases, using SQL to query tables containing sensitive course and student information
- ⇒ Programmed a PHP script with SQL calls to automatically find and enroll users fulfilling specified criteria

---

## PROJECTS

---

### Weather Site

January 2015

<http://davidmao.me/weather/>

- ⇒ Constructed an elegant, flat-design weather aggregator site featuring dynamic backgrounds based on current weather
- ⇒ Utilized HTML5 Geolocation and Google Geocoder API for automatic location detection

### Google Hangouts Speech Translator

March 2014

- ⇒ Developed a Google Hangouts Plugin for more seamless multilingual communication, transcending language barriers
- ⇒ Achieved real-time speech translation, presenting spoken words as text captions to other users
- ⇒ Leveraged Google Translate API and Speech to Text API for language auto-detection and translation

### Collaborative Whiteboard Web Application

February 2014

<http://whiteboardweb.herokuapp.com/>

- ⇒ Created a cross-platform web-based whiteboard with drawing, text, and image support to encourage student collaboration
- ⇒ Implemented sessions in which multiple users can collaborate on the same space with immediate, real-time sync
- ⇒ Employed Fabric.js for drawing functionality and Firebase NoSQL DB for real-time canvas syncing

### Transformers Graphics Game

June 2013

- ⇒ Produced a custom, self-built 3-D game engine using WebGL, with auto-shadow generation and collision detection
- ⇒ Accomplished real-time facial detection and head tracking using computer webcams in order to control in-game camera

---

## LEADERSHIP EXPERIENCE

---

### Alpha Kappa Psi, Co-Ed Professional Fraternity

December 2011 – June 2013

*Executive Board - Director of Finance & Judiciary Board*

- ⇒ Led a team of 13 in the planning and execution of innovative fundraising ideas, leading to \$5000+ in profit in 7 weeks
- ⇒ Orchestrated the organization's largest event of the year with 500+ attendees, generating \$2700 in revenue
- ⇒ Managed a team of 5 in the revision of antiquated chapter by-laws, to which the organization adheres