

Education

University of California, Berkeley
B.A. in Computer Science

2014 - 2018

Work Experience

Software Engineer Google September 2018 - present
Worked on signals for detecting invalid ad traffic.

CS 61A Course Instructor UC Berkeley EECS June - August 2018
With other co-instructors, hired and managed a staff of ~30 TAs and tutors in teaching a class of several hundred students. Gave lectures, held weekly office hours, wrote and graded exams, and more.

CS 61A Head Undergraduate Student Instructor UC Berkeley EECS August 2017 - May 2018
Same responsibilities as below, with added head TA role. In Fall 2017, head of software. In Spring 2018, head of course infrastructure (including software) and grading.

Software Engineering Intern Google May - August 2017
Worked on optimizations to an intermediate language that compiles to C++, Java, and Python. Scoped out potential optimizations, designed and implemented them, and wrote benchmarks to test their performance impact.

CS 61A Undergraduate Student Instructor UC Berkeley EECS June 2016 - May 2017
Taught a 90 minute lab and a 90 minute discussion each week for ~30 students. Held weekly office hours. Developed course software. In Spring 2017, organized alternate exams.

CS 61A Tutor UC Berkeley EECS January - May 2016
Led a small-group tutoring session weekly, assisted students in office hours, helped grade assignments and exams, and worked on development projects.

Technical Skills

Programming Languages: Dart, Java, Python, Scheme, C++, JavaScript, MIPS Assembly, SQL

Platforms and Libraries: Android, Web, Bootstrap, Flask, Nginx

Tools: Git, Unix Shell, Make

Proficient / Working Knowledge

Selected Projects

Online Scheme Interpreter and Visualizer scheme.cs61a.org
An online implementation of 61A Scheme with several added features, including an environment visualizer and list diagrammer. Used by 61A students to help learn Scheme and debug their code.
Built with Dart, Scheme, HTML/CSS, and JavaScript

SF Launcher 2 sflauncher.com
A custom homescreen for Android built around a scrolling list of cards that contain apps and widgets. It has been featured on XDA Developers (goo.gl/6EJVZ2) and Droid Life (goo.gl/MDffbN), among other sites. This is a rewrite and redesign of the original SF Launcher that I built in 2013.

Ubiquity Music Widget goo.gl/pU934M
A universal music widget for Android 4.4+. It was featured as an Android Central Editor's App of the Week in November 2014 (goo.gl/tz3KgH).

Note: Work and projects prior to August 2017 were done under a different name.