



EXPERIENCE.

Research Intern at Institute of Information Science, Academia Sinica, Taiwan

Summer 2015

- Improved functionality and UI features in Deja Vu SearchTyping Android application
- Wrote import and export functions and allowed users to sync and backup data through cloud storage
- Adapted a topic classification algorithm for Twitter sentiment analysis and preprocessed noise in 1,600,000 tweets
- Implemented the use of positive and negative lexicon and emoticon detection

Design Lead for UCB Snap! Student Development Team

January - December 2015

- Created website design mock ups for home page, user profiles, classes, and assignments with Photoshop
- Implemented static pages with HTML, CSS, and Google MDL



PROJECTS.

Threads

October 2015

- Strengthened scheduling functionality for Pintos, a simple operating system framework for the 80x86 architecture
- Wrote priority scheduling and priority donation functions that handle multiple and nested donations
- Implemented a multilevel feedback queue scheduler to reduce average response time for running jobs

musicDB

November 2015

- Web application written in Ruby on Rails with searchable music metadata
- Collected 17,925 songs, 40 groups, 965 shows, and 769 releases with Spotify API and setlist.fm API
- Designed and implemented user interface with HTML, CSS, and Google MDL

Represent!

March 2016

- Android mobile and smartwatch application that gives facts about congressional representatives based on location
- Used Google Location, Google Geocoding, Twitter API, and Sunlight Foundation API to collect data

SafeSpace *(work in progress)*

February 2016

- Online anonymous messaging application written in Ruby on Rails
- Created website design mockups for home page, messaging, search, and profile page



EDUCATION.

University of California, Berkeley

Berkeley, CA
Computer Science
Expected graduation: May 2017



COURSES.

Structure of Computer Programs (Python)
Data Structures (Java)
Machine Structures (C, MIPS)
Macintosh Student Developers for OS X (Objective C)
Discrete Mathematics and Probability Theory
Artificial Intelligence (Python)
Algorithms
Operating Systems and Systems Programming (C)
Database Management
Software Engineering (Ruby on Rails)*
User Interface Design and Development (Android)*

*currently enrolled in



SKILLS.

Software

Python, Java, C, Javascript, Swift, HTML5, CSS3, Ruby on Rails, Git

Design

Photoshop, Illustrator, InDesign, After Effects, Premiere Pro, wireframing, prototyping, user testing

Other

Android development, web design & development, Agile, digital photography, English, Mandarin



INTERESTS.

Software engineering, web design & development, mobile development, UI/UX design, graphic design, typography, photography, video, travel, dance, music