

# Matthew Lin

Full-stack software engineer interested in building innovative products

## EXPERIENCE

### Apple, Cupertino, CA — Software Engineer

July 2017 - Present

- Developed an **automation framework** to run data science metrics on the Apple Watch Series 3 using **numpy**, **matplotlib**, and **Panda**
- Created **multithreaded logging system** that tracked device processes
- Built a **crash monitoring system** that detected changes in device PIDs
- Provided **root cause analysis** of bugs for the watchOS organization

### Apple, Cupertino, CA — Software Engineering Intern

June 2016 - September 2016

- Developed a dashboard to analyze iOS 10 test suites using a Django backend, emberjs frontend, and PostgreSQL database
- Generated **graphical visualizations** of test suites using **c3.js**
- Created a prototype for a companion iOS app using **Objective-C**
- **Pitched** an innovative product feature to Senior VP of Marketing

### Taboola, Pasadena, CA — Engineering Intern

June 2015 - August 2015

- Wrote many automated **integration tests** in **Java** to test frontend and backend features using **Selenium** as well as added **Jenkins** support
- Built a testing **framework** that reduced code duplication and clutter
- Developed **utility functions** that selected random test cases and kept track of elapsed time for each test, providing useful analytics
- **Documented** testing features extensively and improved productivity

## PERSONAL PROJECTS

### [Tennis Scorekeeper](#) — Wear application ([iOS](#) and [Android](#))

- Sports app that displays and calls out the scores of the user's match

### [Bill Util](#) — Mobile application ([iOS](#) and [Android](#))

- Utility app that performs calculations for tips, sales tax, income, and rent as well as converts common currency

### [Keepy-Uppy](#) — Mobile game ([iOS](#))

- Game where the goal is to keep the ball in the air as long as possible to score points based on the number of taps and combos generated

## EDUCATION

### University of California, Los Angeles

### Bachelor of Science, Computer Science

September 2013 - June 2017

(626) 696-0262

[matthewallenlin@gmail.com](mailto:matthewallenlin@gmail.com)

<https://github.com/Darthpwner>

<http://darthpwner.github.io>

## SKILLS

Python = Expert

Swift = Proficient

Java = Proficient

HTML/CSS/JS = Proficient

C/C++ = Familiar

## AWARDS

1st Place Winner ([Hack on the Hill 2](#))

1st Place Winner ([IDEA Hacks 2016](#))

Top 4 out of 167 teams ([Cal Hacks 2.0](#))

Best use of IBM Bluemix, Most Entrepreneurially Promising Hack by Perkins Cole, 3rd place for Hack that Best Connects Us by Viasat ([SD Hacks 2015](#))

Best Mobile Hack ([HackSC 2015](#))

## LEADERSHIP

### UCLA Circle K International - Technology Chair

March 2016 - March 2017

- Held weekly workshops and developed the [UCLA Circle K website](#), Prezis, and video recaps

- Won 2nd place Outstanding Website Award at DCON

### Pillow Fight Technology Chair

March 2014 - January 2015

- Developed the [Pillow Fight 2015](#) fundraising website

### UCLA ACM - DevOps Committee Chair

May 2016 - March 2017

- Oversaw the development of two projects (the [iOS checkin app](#) and the [ACM website](#))