

Matthew Lin

Full-stack software engineer interested in building innovative products

EXPERIENCE

Apple, Cupertino, CA — Software Engineer

July 2017 - Present

- Developed **automation frameworks** to run data science metrics on **Apple Watch Media apps** using **numpy**, **matplotlib**, and **pandas** in **Python**
- Analyzed streaming and download speeds of **Podcast** and **Music apps**
- Created **multithreaded logging system** that tracked device processes
- Built a **crash monitoring system** that detected changes in device PIDs

Apple, Cupertino, CA — Software Engineering Intern

June 2016 - September 2016

- Developed a dashboard to analyze **iOS 10** test suites using a **Django** backend, **Ember.js** 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 **Selenium integration tests** in **Java** to test **full-stack** web features
- 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
- Provided **continuous integration** for client pages via **Jenkins**

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

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<https://github.com/Darthpwner>

<http://darthpwner.github.io>

SKILLS

Python = Expert

Swift = Proficient

Java = Proficient

Ember.js = Proficient

Objective-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](#))