Matthew Lin

Full-stack software engineer interested in building innovative products

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EXPERIENCE

Apple, Cupertino, CA — *Software Engineer 2*

July 2017 - December 2018

– Developed **automation tools** to run data science metrics on **Apple Watch Media apps** using numpy, **matplotlib**, and **pandas** in **Python**

– Developed flexible **command line tools** for **Media app** stress testing

– Analyzed streaming and download speeds of **Media apps** for triage

– 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

– **Presented** intern project to VP of OS Programs and gained adoption within other SWE organizations in Apple

Taboola, Pasadena, CA — *Engineering Intern*

June 2015 - August 2015

– Created extensive **unit tests** in **Javascript** for **frontend** facing features

– 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**

BuildUCLA, Westwood, CA — *Software Developer*

January 2015 - June 2017

– Developed a **web application** used for **file sharing** across various cloud storage devices via the **Dropbox API** and **Google Drive API**

– Implemented **front-end design** using **bootstrap CSS** and **angularjs**

– Used **ScribeAPI's Ruby on Rails** library to transcribe and catalog books

– Wrote a **Python** script that converted useful **JSON** metadata to **XML**

EDUCATION

University of California, Los Angeles

Bachelor of Science, Computer Science

September 2013 - June 2017

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)

PERSONAL PROJECTS

Tennis Scorekeeper

(iOS and Android)

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

Bill Util

(iOS and Android)

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

Keepy-Uppy

(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