

Matthew Lin

Graduating senior with experience in the software engineering industry

EDUCATION

University of California, Los Angeles

Bachelor of Science, Computer Science

September 2013 - June 2017

EXPERIENCE

Apple, Cupertino — 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**

Taboola, Pasadena — Engineering Intern

June 2015 - August 2015

- Wrote many automated **integration tests** in **Java** to test frontend and backend features using **Selenium**
- Built a **Java** framework using **OOP** and **Selenium** to make it easier to develop test cases
- Developed **utility functions** that selected random test cases and kept track of elapsed time for each test

BuildUCLA, Westwood — Software Developer

January 2015 - June 2015, September 2015 - June 2016, September 2016 - June 2017

- Developed a web application called **eLab-X** used for **file sharing** across various cloud storage devices
- Implemented **front-end design** using **bootstrap CSS**, **HTML**, and **angularjs**
- Incorporated a **file opener** from the user's local drive using **HTML** and **PHP** and added support for features such as copying and moving files for the **Dropbox API** and **Google Drive API**

PROJECTS

Keepy-Uppy — iOS Swift game (released on the App Store)

- Uses **SpriteKit** library for physics, **AVFoundation** for music, and **auto layout** for design

Bill Util — iOS Swift application

- Calculates tip, sales tax, income, currency conversions, and rent
- Uses **UITextFields**, **UIPickerViews**, a **UIProgressBar**, and a **UISwitch**

Super Hamster Ball — WebGL JavaScript game

- A 3-D platform game that utilizes **WebGL** to form a virtual world of hamsters and obstacles

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<https://github.com/Darthpwner>

<http://darthpwner.github.io>

SKILLS

C++/C

Java

Swift

HTML/CSS/JavaScript

Python

AWARDS

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)

Top 30 out of 360 teams (LA Hacks 2015)

Best Mobile Hack (HackSC 2015)

Coursework

Operating System Principles

Introduction to Algorithms and Complexity Analysis

Fundamentals of Artificial Intelligence

Database Systems

Introductory Digital Design Laboratory

Web Applications

Computer Network Fundamentals

Computer Systems Architecture

Introduction to Computer Graphics

Introduction to Computer Security

Computer Networks: Physical Layer

