

Andy Lin

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Prospective Software Engineer

Objective: I am looking to expand on my knowledge of back-end development and attain software industry experience, particularly with handling and optimizing large amounts of data.

Education

University of California, San Diego

September 2014 - June 2018 (expected)

GPA: 3.632 | Provost Honors

B.S Computer Science

- Courses:**
- Computer Organization & Systems
 - Advanced Data Structures
 - Components & Design Techniques for Digital Systems
 - Theory of Computability (current)
 - Design & Analysis of Algorithms (current)
 - Software Engineering (current)

Projects

- Desktop version of the popular “Six Degrees of Kevin Bacon” game in C++, expanded to allow searches from any actor and between specific time ranges (2016)
- File compressor / decompressor implemented with Huffman coding algorithm in C++ (2016)
- Four Friends: social networking website made during Cal Hacks 2015 with Node.js, jQuery and calendar APIs to schedule meet-ups between friends (2015)
- Flighter: vertical scroller Android game worked on during LA Hacks 2015 (2015)
- RPS: text-based Rock Paper Scissors game played on the command line with a moderately difficult AI system in Java (2015)
- Created desktop version of 2048 game with GUI in Java (2015)

Skills

- Java
- Python
- Javascript
- C
- HTML / CSS
- Assembly (ARM)
- C++

Work Experience

QA Engineer Intern

June - September 2015

Automatic Labs, San Francisco CA

Performed extensive tests on both software and hardware components of the product:

- Assessed production-level builds of main Android & iOS applications
- Wrote and implemented test cases for easily reproducible future testing
- Involved in running and creating automated tests on Android
- Tested vehicle OBD II port plug-ins with various firmwares
- Worked with integrations and databases such as Phabricator, Jenkins, and MongoDB
- Made heavy use of Git distributed version control and code review (differentials)

Administrative Assistant

July 2011 - September 2014

Maui Wowi Coffee & Smoothies, Pleasanton CA

- Basic duties included managing the cash register, managing and recording customer feedback, and serving food and beverages. Also responsible for administrative tasks such as scheduling hours for other employees as well as designing promotional content.