AUSTIN WANG

CS Student at UCLA | 2019 - 2022

austinxwang@gmail.com | (503) 734-0355

AustinWang2312.github.io | github.com/AustinWang2312

linkedin.com/in/austinxwang/

EDUCATION

UCLA — *Current Student* GPA: 3.94

- Samueli School of Engineering
- Major: Computer Science

Westview High School GPA: 4.70

- National AP Scholar

WORK EXPERIENCE

Amazon

June 2022 - September 2022

SWE Intern Seattle, WA

Typescript | Angular | Java

- Developed dynamic UI for internal tenants to configure new seller fees and events into a database using Angular/Typescript and Java.
- Cut ~50% of time spent on database changes with switch from manual code changes to a non-technical, user friendly website.
- Provided CRUD support for relevant database tables and sequenced full tenant fee change workflows using AWS Step function.

Intel

June 2017 - August 2017

SWE Intern Portland, OR

Python | Apache

- Compared PyPy Python interpreter and Cpython runtimes using the Python Benchmark Suite on the Intel Dynamic Scripting Languages Optimization team.
- Analyzed performance of Numpy, Nengo, Astropy, Sympy via ASV/Perf/Cprofile.
- Automated checking server availability/ specs at Intel via a webpage developed with Apache and Django and Python/Bash scripts.

TECHNICAL SKILLS

- Python
- Typescript
- C / C++
- JavaScript
- SQL
- Lisp/Scheme
- Java
- Bash
- OCaml
- x86 Assembly / MIPS

PROJECTS

Lyricloud (Available at: Lyricloud.netlify.app)

Javascript | HTML | CSS

- Developed full end-to-end web application that utilizes ReactWordCloud and Genius API to search for and generate word clouds using music lyrics.
- Built with React.js (frontend) and Node.js (backend)

Movie/Actor Database System

SQL | PHP

- Created a movie database system which users could query for movie/actor data and submit reviews, ratings and comments.
- Assembled website with PHP running inside an Apache web server and with the data managed using MariaDB.

Stock Price Prediction with CNN articles

Python

- Used BeautifulSoup for article parsing and Sci-kit Learn to calculate linear models for stock price with Matplotlib for visualization.

Google Places Application Server Herd

Python

- Uses Google Places API to calculate nearby destinations. Client data stored and propagated across multiple servers.

Simple Router Implementation

C++

- Emulated network using Mininet
- Implemented router to process, handle and forward ethernet frames.

Delivery Navigation in L.A.

C++

- Employed A* search algorithm and Simulated Annealing to provide optimized turn-by-turn navigation for deliveries.

RELEVANT COURSEWORK

- Data Structures / Algorithms (C++)
- Intro to Artificial Intelligence (Lisp) / Machine Learning
- Programming Languages (Scheme,Java, Python,Prolog, Ocaml)
- Databases (SQL, PHP)
- Computer Architecture/Organization/OS (C, x86, MIPS)
- Computer Networking / Algorithms (C++)
- Multi Calc | Linear Algebra | Discrete | Diff Eqs