AUSTIN WANG

CS Student at UCLA | 2019 - 2022

EDUCATION

UCLA — Current Student GPA: 3.94

• Samueli School of Engineering

• Major: Computer Science

Westview High School

• National AP Scholar

WORK EXPERIENCE

Amazon

June 2022 - September 2022 Seattle, WA

GPA: 4.70

SWE Intern

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 Portland, OR

SWE InternPython | Apache

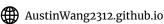
- Compared PyPy Python interpreter and Cpython runtimes using the Python Benchmark Suite on the Intel Dynamic Scripting Languages Optimization team.
- Analyzed performance of Numpy, Nengo, Astropy, Sympy via ASV/Perf/Cprofile.
- Automated checking server availability/ specs at Intel via a webpage developed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

TECHNICAL SKILLS

- Python
- Typescript
- C/C++
- JavaScript
- SQL

- Lisp/Scheme
- Java
- Bash
- OCaml
- x86 Assembly / MIPS

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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