AUSTIN WANG

CS Student at UCLA | Class of 2023

austinxwang@gmail.com
(503) 734-0355
AustinWang2312.github.io
github.com/AustinWang2312
linkedin.com/in/austinxwang/

EDUCATION

UCLA — *Current Student* GPA: 3.94

- Class of 2023: Samueli School of Engineering
- Major: Computer Science

Westview High School GPA: 4.70

- National AP Scholar

WORK EXPERIENCE

Intel Corporation June 2017 - August 2017

Portland, OR — Software Engineering Intern - Python

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

TECHNICAL SKILLS

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

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

PROJECTS

Lyricloud (Available at: Lyricloud.netlify.app)

Languages: 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

Languages: 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

Languages: 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

Languages: Python

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

Simple Router Implementation

Languages: C++

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

Delivery Navigation in L.A.

Languages: C++

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

EXTRACURRICULARS

Wushu (Martial Art) 2010 - Present

U.S. Wushu Center | UCLA Wushu Team

- Social Chair of UCLA Wushu

Upsilon Pi Epsilon 2020 - Present

UCLA UPE member

- 20+ hours CS tutoring per quarter