

AUSTIN WANG

CS Graduate from UCLA | 2019 - 2023

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EDUCATION

UCLA (2019-2023) GPA: 3.94

- Samueli School of Engineering: Computer Science
- Graduated Magna Cum Laude

Westview High School (2015-2019) GPA: 4.70

- National AP Scholar

WORK EXPERIENCE

Amazon June 2022 - September 2022

SWE Intern Seattle, WA

Typescript | Angular | Java

- Developed dynamic forms-based UI for internal configuration of new seller fees and events into a hierarchical NoSQL-like database
- Reduced time spent on database changes by ~50% with switch from manual code changes to a non-technical, user friendly website.
- Provided backend CRUD support for relevant database tables and sequenced full user change workflows using AWS Step function.

Intel June 2017 - August 2017

SWE Intern Portland, OR

Python | Apache | Bash | ASV | Perf | Cprofile

- Conducted performance tests comparing CPython/PyPy interpreters using the Python Benchmark Suite on Intel server systems.
- Analyzed/profiled performance behavior of Python software stack including Numpy and Nengo, a tool simulating large-scale functional brain models.
- Developed a web server automation tool for checking lab system conditions such as availability for internal customers

TECHNICAL SKILLS

- Python
- Typescript/ JavaScript
- C / C++
- Java / C#
- SQL
- Bash / Linux Scripting
- HTML / CSS
- Git
- Lisp / Scheme
- OCaml

PROJECTS

Ancient - 2D Game (Available at: <https://tinyurl.com/Ancient2D>)

Unity2D | C# | Midjourney AI | WebGL

- Designed HD game assets and developed/optimized a top-down 2D Unity Game from scratch using C# and Midjourney.
- Utilized OOP principles to create a complex live-action combination-based combat system.

Plan-It

Javascript | Python | React | Flask | Sqlite | TailwindCSS

- Built full end-to-end calendar-based social media web application with React.js, Flask, Sqlite.
- Users can discover, subscribe to, and create content in the form of scheduled Calendar Events/Guides that one can apply to their own personal Calendar.

Sushi Bar Simulator

Javascript

- Crafted interactive 3D Sushi Bar environment using TinyGraphics framework

Lyricloud (Available at: [Lyricloud.netlify.app](https://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.

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