Allen Tran

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LinkedIn | GitHub

EDUCATION

BS - Computer Science, University of Southern California 2022 - 5/2025
GPA: 3.91
Relevant Coursework: CSCI 102 and 103(Intro to C++), Calculus III, CS50p and CS50x @ Harvard (Python and Coding Bootcamps), CSCI 170(Discrete Math), ITP-216(Applied Python)

WORK EXPERIENCE

Software Engineer

LULULALA– Los Angeles, California February 2023 – Present

- Implementing newer technology to revolutionize the way customers pay for hotels by the hour.
- Develop a robust backend that stores info, parses the user info, and displays it back to the frontend.
- Utilize **SQL** databases to **query, store, and modif**y data that is stored from new and old users.

Web Manager

Office of Research and Innovation @ USC – Los Angeles, California Aug 2022 – Present

- Administered website operations by modifying text, files, and links to ensure optimal content presentation.
- Spearheaded workshops for USC researchers, imparting skills in securing funding from various sources.
- Oversaw internal USC-funded grants and awards programs with a budget of over $9,000,000 annually.

Apprentice

Dr. Dang's Dental – San Jose, California Jun 2022 – Aug 2022

- Acclimated to the dental office alongside fellow dentists, specialists, and hygienists.
- Helped perform procedures by allocating various dental instruments in real-time.
- Captured and analyzed different cavity locations of teeth through X-Ray photos.

PERSONAL PROJECTS

WebLift.ai - *Data-based User Extension for Personalized Website Experience* Github Repo

- Allows business owners to fully customize their website based on the users' cookies and data.
- Built on the **NoSQL Firebase and Firestore** databases to store business information(i.e images and texts).
- Integrated APIs such as **OpenAI's chatGPT** for rewriting texts and **Google Analytics** for Google Sign-In.
- Built a front-end client website with **HTML/CSS and Javascript. Backend with ExpressJS, Firebase, and Axios.**
- **Placed 1st overall best beginner project and top 3 in business economy category at the HackSC Hackathon.**

SnapCode - *AI Code Scanner to Readable Text (full-stack)* GitHub Repo

- Integrated ajax to convert images captured from the camera(**CSS, Javascript, HTML**) to compiler.
- Designed the UI allowing users to correctly upload/capture images and edit the code from the compiler.
- Utilized **Google Cloud Vision AI** for the back-end(**javascript**) to detect text from an image and output it into 3 languages: **C++, C, and Javascript**.
- Deployed using **AWS Elastic Beanstalk, AWS CodePipeline, AWS DNS Validation, and SSL Certification.**
- **Won 1st place at USC's ACM trojan hackathon with best undergraduate hack title.**

SC Formula Electric Car GitHub Repo

- Application of **C++** to power an EV-powered car's BMS, charger, and motor system.
- Testing code through Arduino and IDEs to properly run **CAN Bus** and communicate with other parts.
- Connected **CAN high** and **CAN low** wires to the display for verifying voltage from different car parts.

Biology Research Website - *Informational Website on Rubella* GitHub Repo

- Built a website storing data on Togaviridae, a family of viruses, and vaccines on treatment.
- Implemented external links to outside resources such as Google Slides and Youtube.
- Frontend heavy and mostly relied on **HTML** and **CSS** to develop a stylish website with clear content.

TECHNICAL SKILLS

Languages: Python(proficient) • C++(proficient) • HTML/CSS(proficient) • Solidity(prior experience) • Javascript(prior experience) • Git(proficient)