

Allen Tran

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Education

University of Southern California, Viterbi School of Engineering

Bachelor of Science in Computer Science and Business Administration, minor in AI

Los Angeles, CA

Aug. 2022 – May 2026

Relevant Coursework: Calculus 3 • CS50p and CS50x: Python and Coding Bootcamps • Discrete Math • Applied Python • Data Structures and Object Oriented Design • Linear Algebra • CodePath: Intermediate Technical Interview **GPA: 3.97**

Experience

Scale AI

AI Model Trainer

June 2023 – Present

San Francisco, California

- Leveraging advanced knowledge of **data structures and algorithms** to design efficient code solutions for diverse coding projects and scaling the AI model.
- Tackling **LeetCode's** Medium and Hard problems within strict time frames done in **Python**.
- Achieving consistent accuracy rates of **85%** in AI model results by optimizing and comparing the **run times and space complexities** of the coding challenges.

RadicalX

AI/ML Developer Intern

May 2023 – Aug 2023

New York, New York

- Developing an **AI Dev Manager** leveraging technologies such as **OpenAI** and **TensorFlow** to streamline development processes, improve efficiency, and enhance collaboration among the team.
- Utilizing **Botpress**, **API parsing**, and **prompt engineering** techniques to create chatbots with advanced natural language understanding generation capabilities, improving user interactions and reducing response time.
- Spearheading a team of **6** in implementing **Scrum** methodologies and **agile development** practices, fostering collaboration, organizing daily stand-up meetings, conducting sprint planning, and monitoring progress.

Keepsake

Full-stack Developer Intern

May 2023 – July 2023

Los Angeles, California

- Integrating **Firebase Cloud Firestore** to facilitate efficient data storage and retrieval, optimizing the performance and scale the Legacy platform and ensuring a seamless user experience.
- Developing custom **APIs** and server-side logic in **JavaScript** to handle data manipulation, authentication, and authorization within the Legacy backend, ensuring integration between frontend and backend components.
- Conducting thorough debugging of the **JavaScript** backend code, utilizing tools such as **Jest** and **Firebase Emulator Suite** to ensure the stability and reliability of the Legacy web application for **50** concurrent users.

SplitStay

Software Engineer

Feb 2023 – Present

Los Angeles, California

- Implementing technology to revolutionize hotel payments by enabling customers to pay by the hour.
- Utilizing **MongoDB** database to query, store, and modify data for new and existing users from **Amadeus API**.
- Developed a responsive search landing page utilizing **React** components, **CSS** layout techniques, and **JavaScript** functions for adaptable and user-friendly interface.

Projects

Premier League ML Web App | Python, PostgreSQL, NumPy, Matplotlib, Git, Pandas

May 2023

- Built interactive **Python-Flask** web app allowing users to search and manipulate the Premier League soccer games listing data using **Numpy**, **Pandas**, and **Matplotlib**.
- Applied **machine learning** techniques to predict match outcomes and provide data-driven insights for soccer enthusiasts through **scikit-learn**.
- Leveraged **PostgreSQL** to create a robust database that stores over **1,000** data points, including match details, teams, scores, and dates. Extracted insights and generated meaningful statistical data on a box plot.

WebLift.ai | Javascript, Firebase, ChatGPT, Google Analytics, Git

Jan 2023 – Feb 2023

- Developed a data-based user extension for a more personalized website experience similar to Google Ads.
- 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 manipulating texts and **Google Analytics** for Google Sign-In.
- Placed top 3 in business economy category at the HackSC Hackathon.**

SnapCode | Javascript, HTML/CSS, Google Cloud Vision, AWS, Git

Jan 2023 – Feb 2023

- Engineered a **PhotoMath**-inspired code recognition tool, converting code images and text in **C++**, **C**, and **Javascript** to english utilizing Google Cloud Vision AI.
- Deployed using **AWS Elastic Beanstalk**, **CodePipeline**, **DNS Validation**, and **SSL Certification**.
- Won 1st place at USC's ACM trojan hackathon with best undergraduate hack title.**

Technical Skills

Languages: Python, C/C++, SQL (Postgres), JavaScript, HTML/CSS, Java, PHP, TypeScript, Rest APIs

Frameworks: React, Django, Flask, WordPress, ExpressJS, PyTorch

Developer Tools: Git, Google Cloud Platform, VS Code, Visual Studio, PyCharm, AWS, Figma, Jira

Libraries: Llama2, ChatGPT, TensorFlow, Pandas, NumPy, Matplotlib, Firebase, Machine Learning, Hugging Face, Transformers