Allen Tran

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Education

San Jose State University **Aug 2021 – May 2023**
B.S. Computer Science | College of Science

De Anza College **Sept 2019- Aug 2021**
- **Cumulative GPA: 3.90**

- **Certifications:** IBM Certifications: IBM Cloud Essentials, Design Thinking; Microsoft Certifications: MS Intro to Artificial Intelligence, MS Azure Fundamentals (AZ900)

- **Student Organization Involvement:** Public Relations and Development Team Officer at SJSU Software & Computer Engineering Society, ICPC Participant at SJSU Competitive Programming Club

Languages & Technologies

- Python, Java, HTML/CSS, JavaScript/TypeScript, Git, ReactJS, APIs, Data Pipelines, SQL, C++

Experience

Mastercard Mentorship Program Student
Program Mentee *September 2021 - Present*
- Selected to receive industry mentorship and coaching from Mastercard engineers through workshops and 1:1 sessions

IBM Good Tech Scholars Program Participant *https://github.com/orgs/GTSP-Caffeine-Overflow/repositories*
2nd Place Winner *June 2021 - August 2021*
- Designed, built, and delivered a solution to contribute to the global crisis of clean energy in an **agile** environment
- Utilized **IBM cloud computing, APIs, JavaScript, and ReactJS** to develop Chrome Extension and web application
- Demonstrated knowledge of data fetching with various APIs and created a user-friendly experience on the front-end
- Queried and stored data with **Cloudant DB** through orchestrating **Node-RED** flow that performs JavaScript functions

San Jose State University Intern *https://github.com/SCE-Development/Skylab-Explorer*
Full Stack Engineer *June 2021 - August 2021*
- Developed a **data pipeline** to perform data analytics on full-stack website, impacting over 1,500 club members
- Created graphs with **ReactJS** to visualize aggregated data in selected date ranges
- Constructed **ETL's** that accept and process data into RDS database to allow for **back-end analytics**
- Developed a **RESTful API** to query from the data warehouse for data analysis and visualization purposes
- Designed intuitive **UI** on front-end with custom ReactJS components and refactored previous web pages

De Anza College DSS Program
Work-Study Note Taker *Jan 2021 - August 2021*
- Assisted dozens of individuals with disabilities excel in their education
- Created material for students who need assistance in classes, reducing their time spent on long lectures
- Communicated with professors in order to provide a link between students with disabilities and the class material

Bluejay Tutor
Founder *June 2020 - March 2021*
- Tutoring service that specializes in distant learning for children attending online school during virtual phase of pandemic
- Created and maintained a fully functional website in **WordPress** to offer platform for scheduling and presenting services
- Responsible for managing business finances and speaking with several prospective clients
- Proactively caught possible flaws in business model and readjusted accordingly

Personal Projects

Matricks! - Linear Algebra Solver *https://github.com/allen-tran/Matricks*
Back-End and Front-End Developer *May 2021*
- Utilized **Python** and **NumPy** to perform complex mathematical calculations with custom user-inputted matrices
- Students can reduce tedious work that could take up to hours down to seconds with this application
- Integrated program into web application using **Flask** framework to allow for smooth and convenient user experience

Mock Facebook Program *https://github.com/allen-tran/Social-Network*
Back-End Developer *February 2021*
- Utilized abstraction and data structures in Java to perform CRUD operations to simulate social media features
- Stored accounts and friends into **graphs, hashed dictionaries, heaps, array lists, stacks, and linked queues**
- Allows users to create new profiles, make new friends, change their status, and handle login information