

I am a highly skilled and motivated software developer looking to contribute creatively and technically on fast moving, wildly challenging software projects.

I have been writing software in various forms since my freshman year of high school. I began by teaching myself to program a TI-84 calculator to solve homework problems. Fascinated, I learned Basic through trial and error - guessing syntax as I did not have the documentation. I programmed my calculator this way to solve math problems symbolically in all courses through calculus.

Post high school graduation, I took classes at Pasadena City College and focused almost exclusively on math and computer science. In my first year alone, I took Multivariable Calculus, Linear Algebra, and Differential Equations for math as well as a variety of different programming classes. While I found these classes to be very interesting, they lacked practical depth. Thus, when COVID hit in March of 2020 and many of my classes were canceled, I looked into coding bootcamps and applied to App Academy.

I was accepted to App Academy as a 19 year old based on my admissions tests, interviews, and programming skills. As you may know, App Academy is the most prestigious and competitive programming bootcamp in Silicon Valley with a 5% admissions rate and a 50% graduation rate. I was the youngest member of my cohort by 10 years. I finished at the top of my class. While at App Academy I took classes and coded for 10 hours a day for 16 weeks and developed three different full stack projects.

The first project I built was a chess app with a React/Redux frontend and Ruby on Rails backend which included a computer opponent designed using the minimax algorithm. The second was a team project developing a crossword-puzzle game with a mongoDB backend, Express/NodeJS middleware, and React/Redux frontend. In my third project I created a fully fleshed out RPG using only vanilla Javascript and utilizing a Firebase backend. Upon graduation, I had learned several new programming languages, libraries, frameworks, database systems and gained the ability to create full stack web apps from scratch.

After App Academy and while enrolled at PCC, I joined a start-up tech company, TransAstra Corporation, as a programming intern. I started at TransAstra sweeping floors, building furniture, and breaking down boxes. Within two weeks, I was running all of the company 3-D printers, writing the Labview scripts for a rocket engine test program, setting up the company AWS server, writing procedural data scripts, and migrating the company Mattermost server to AWS govcloud. I took a leave of absence from TransAstra in October of 2021 to pursue my education and returned this summer as a full time Software Engineering Contractor. Since my return, I have developed and published the transastra.com website from scratch using React, Firebase, and GoDaddy hosting. I am now working on the Sutter telescope project where I have created comprehensive object and data models and built a peer to peer messaging system using RabbitMQ. This system enables one root computer to control multiple others for telescope data collection and image analysis.

Today, I am an experienced and passionate developer with an in-depth knowledge of several code systems. I specialize in front end and algorithmic development but am open to any challenging and rewarding position.

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