Darien Miller

Full-Stack Software Engineer

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Technical Skills

Programming Languages: C++, Go, JavaScript (ES6), TypeScript, HTML5, CSS3/Sass, SQL
Libraries and Frameworks: React, Svelte, Node.js, Express, Vue
Tools: Netlify, PostgreSQL, Heroku, Git, MySQL, MongoDB, Docker, AWS

Projects

Chip-8 Interpreter   *//March 2023*
- Developed a C++ implementation of a Chip-8 interpreter using a graphics library that perfectly mimics the system hardware of 8-bit microcomputers.
- Successfully managed to create system accurate CPU cycles, keyboard controls, and the ability to properly load and run most Chip-8 games.

Messenger   *//January 2023*
- Engineered a React and Go web application based on Facebook Messenger that successfully implemented several core features such as private messaging and message deletion, as well original features such as a public chat.
- Application was seamlessly built to be fully responsive on smartphones, tablets, and larger monitors, and is currently deployed on the cloud service Netlify for use.

ChoosEquality   *//October 2022*
- Coordinated a team of 4 as Scrum Master to rapidly develop in 2 days a web application using SolidJS, Go, and PostgreSQL to aid in the integration of formerly incarcerated persons back into society.
- Project finished on time, and was presented to a crowd of 100+ people including industry professionals.

Better Banking   *//July 2022*
- Built a React and Go banking application inspired by Citibank that was successfully containerized using Docker, and deployed on Heroku and Netlify.
- Google API was seamlessly integrated, allowing users to sign in using Google Information, and quickly process payments that are saved to a MongoDB database.

Work Experience

Success Coach @ Platinum Edge Tutoring   *//March 2023 – Present*
- Tutored and directed class discussion for middle and high school students at 5 different schools across NYC in Algebra, History and Computer Science, serving as the lead instructor.
- Coached students K-5 in an after-school program in Math and English, aiding in subject mastery and test-taking skills, resulting in massively improved learning comprehension, and mock-test score improvements by up to 12%.
- Supervised students during physical activity, reducing injuries by up to 28%, and stimulated their imagination by introducing several activities such as Soccer, Rugby relays, and obstacle courses.

Software Engineering Alumni @ CUNY Tech Prep   *//August 2020 – Present*
- Supervised future cohorts in establishing SQL relations and in deploying their databases to cloud services such as Heroku.
- Learned in-demand technologies like React, Node + Express, and PostgreSQL as well as industry best practices for design, implementation, and deployment such as MVC, version control with Git/GitHub, agile & Scrum with Trello and Slack, test driven development, and CI/CD

Education

Brooklyn College, **City University of New York**   *//May 2021*
Bachelor of Science in Computer Science
Recipient of STEM Scholarship 2015-2020