

Darien Miller

Junior Software Engineer

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Technical Skills

Programming Languages: C++, Go, JavaScript, TypeScript, C#, HTML5, CSS3/Sass, SQL, Python

Libraries and Frameworks: React, Svelte, .NET, Node.js, Express, Vue, Flask

Tools: Netlify, PostgreSQL, Heroku, Git, MySQL, MongoDB, Docker, AWS, Microsoft Office

Projects

Messenger

November 2023

- Engineered Svelte & Go web application with core features including private messaging, message deletion, original features & public chat.
- Developed Svelte & Go platform for smartphones, tablets, and larger monitors, deployed URL on cloud service Netlify.

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.
- Designed system accurate CPU cycles, keyboard controls, and the ability to properly load and run most Chip-8 games.

ChoosEquality

October 2022

- Supervised team of 4 as Scrum Master; developed web application using SolidJS, Go, & PostgreSQL in 2 days to aid in the integration of formerly incarcerated persons back into society.
- Managed & completed project within deadline, presented to a crowd of 100+ including industry professionals.

Better Banking

July 2022

- Built banking app using React and Go with features including deposit/withdrawal, money transfer & account logs.
- Integrated Google API, allowing user sign in using Google credentials & process payments, saved to MongoDB database.

Work Experience

Success Coach @ Platinum Edge Tutoring

March 2023 – Present

- Spearheaded the resolution of tech-related problems for 200 total teachers and students a week regarding software, hardware, mobile devices, and internet connectivity.
- Tutored and directed class discussions for 100 total middle and high school students at 10 schools across NYC in Algebra, History and Computer Science, serving as the lead instructor.
- Improved learning comprehension, and mock-test score improvements by up to 12% by coaching students K-5 in after-school programs in Math and English, aiding in subject mastery and test-taking skills.

Software Engineering Alumni @ CUNY Tech Prep

August 2020 – Present

- Coordinated with staff and service providers to ensure seamless deployment of PC equipment and workstations.
- Supervised cohorts in establishing SQL relations and in deploying their databases to cloud services such as Heroku.
- Participated in professional development program to learn 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

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

May 2021