

# Darien Miller

## Full-Stack Software Engineer

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## Education

**Brooklyn College, City University of New York**

*Bachelor of Science in Computer Science: May 2021*

*Recipient of STEM Scholarship 2015-2020*

## Technical Skills

**Programming Languages:** C++, Go, JavaScript (ES6), TypeScript, HTML5, CSS3/Sass, SQL, Python

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

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

## Projects

### Messenger

//November 2023

- Engineered a Svelte and Go web application that successfully implemented several core features such as private messaging, message deletion, as well original features such as a public chat.
- Optimized platform for smartphones, tablets, and larger monitors, and deployed 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 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.
- Finished project on time, and presented it to a crowd of 100+ people including industry professionals.

### Better Banking

//July 2022

- Built a React and Go banking application that was successfully containerized using Docker, and deployed on Heroku and Netlify.
- Seamlessly integrated Google API, 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 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.