

Darien Miller

Full-Stack Software Engineer

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Education

Brooklyn College, City University of New York // May 2021
Bachelor of Science in Computer Science

Technical Skills

Programming Languages: C++ (C++11 – C++20), Go, JavaScript (ES6), HTML5, CSS3/Sass, SQL

Libraries and Frameworks: Node.js, Express, React, Vue

Tools: Netlify, Heroku, Git, PostgreSQL, MySQL, MongoDB, Docker

Projects

Better Banking // July 2022

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

Task Scheduler // November 2021

- Created and stylized personalized task scheduler for a client that would forward single or recurring tasks to their phone.
- Application is served on Netlify and Heroku by Go and React and deliver the tasks to the user asynchronously.

GameOn: Social Media for Gaming Enthusiast // December 2020

- Built a React web application in a team of 3, allowing users of similar gaming tastes to connect with each other
- Demoed project to a crowd of over 100 people on Zoom, which included industry professionals.
- Used Express to serve the application and host the RESTful API and utilized Sequelize.js to easily create and manipulate PostgreSQL database.

Simple and Fast Media Library (SFML) // February 2020

- Implemented a custom Game Engine in C++ to aid in the rapid development of SFML games.
- Current utilities include a game state and resource manager, animation handler, utility functions, a timer, and a frame rate counter.

Work Experience

Software Engineering Fellow @ CUNY Tech Prep

August 2020 – May 2021 // Brooklyn, NY

- 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
- Assisted future cohorts in establishing their SQL relations and in deploying their databases to Heroku.
- Selected for a technical training program, as one of 183 students out of 400+ applicants

Computer Science Tutor @ CUNY Tutor Corps

February 2018 – May 2020 // Brooklyn, NY

- Tutored 20 middle school and over 100 high school students using Code.org and the Snap graphical programming language, focusing on introductory programming concepts such as if-else statements, loops, variables, and functions.
- Developed and implemented teaching methods that accommodated the learning styles of over 70 students across 7 different classes, allowing for massively improved grades at the end of each marking period.