

Darien Miller

Full Stack Software Engineer

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Technical Skills

- **Programming Languages:** C++, Go, JavaScript, TypeScript, C#, HTML5, CSS3/Sass, SQL,
- **Libraries and Frameworks:** Vue3, React, Svelte, .NET
- **Tools:** PostgreSQL, MySQL, Git, MongoDB, Docker, AWS

Projects

Adapt Jeopardy Scoreboard (Vue3, Go, MongoDB)

November 2024

- Developed a Jeopardy scorekeeping web app that replaced paper-based tracking, reducing scorekeeping time by 70% for games with up to 30 players.
- Over 5 other specialists depend on the app to track and save scores for more than 200 players, increasing its use across many locations.
- Scorekeeper was used to host a Jeopardy tournament across all 5 boroughs, eliminating paper use and increasing game efficiency, which resulted in a 50% quicker transition between rounds.

Messenger (Svelte, Go, PostgreSQL)

August 2024

- Engineered Svelte & Go web application with core features including private messaging, Anonymous user sign in, message deletion, original features such as a public chat and message history.
- Achieved efficient data handling and real-time updates, reducing message latency and enhancing user interaction speed.
- Developed a responsive platform optimized for all devices, including phones, tablets, and larger monitors, enhancing accessibility for many different kinds of users.

Chip-8 Interpreter (C++, SFML)

March 2023

- Developed a C++ implementation of the Chip-8 interpreter by simulating 8-bit system hardware with a graphics library.
- Interpreter was able to ensure perfect accuracy with clock cycles and instructions, which allowed for 100% compatibility with major Chip-8 games.
- Improved problem-solving skills through system architecture development, showcasing low-level knowledge and software emulation capabilities.

Work Experience

ADAPT Community Network

Brooklyn, NY

Computer Specialist

July 2024 – Present

- Directs classes for 30+ participants on computing and coding concepts, increasing computer literacy by 75% as measured through post-class assessments tailored to individuals with diverse physical and learning differences.
- Resolves 90% of technical issues during workshops, improving the overall accessibility and learning experience by providing hands-on IT support for both hardware and software challenges.
- Developed and launched a VueJS & Go web app for score tracking, increasing gameplay efficiency by 200% and streamlining tournament organization.

Platinum Edge Tutoring

Brooklyn, NY

Success Coach

March 2023 – Present

- Spearheads the resolution of tech-related problems for 200 total teachers and students a week regarding desktop installation, and internet connectivity, increasing classroom productivity by 20%.
- Captains Math and Computer Science classes for 100 middle and high school students across 10 NYC schools, improving student engagement and performance through dynamic class discussions and personalized tutoring.
- Coaches over 100 K-5 students in after-school math and English programs, improving learning comprehension and raising mock test scores by up to 12%, enhancing subject mastery and test-taking skills.

Education

Brooklyn College, City University of New York

May 2021

Bachelor of Science in Computer Science