

DARIEN MILLER

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EDUCATION

Brooklyn College, City University of New York: August 2015 – May 2021

Bachelor of Science in Computer Science | **Major GPA:** 3.2 / 4.0

Relevant Coursework:

Analysis of Algorithms, Data Structures, Web Applications, Computer Architecture

SKILLS / QUALIFICATIONS

Programming Languages: C++ (C++11, C++14, C++17), Golang, JavaScript, HTML5, CSS3, SQL

Technologies: Heroku, Git, PostgreSQL, MySQL, MongoDB, Node.js, Express, React, Vue.js, Docker

Office: Word, Excel, PowerPoint

PROJECTS

Twidder | December 2021

- Full stack twitter clone built using Golang and PostgreSQL in the backend and React in the frontend. This extension of my first Twitter clone is a much more sophisticated, true to the original Twitter application implementing much more of the core features, including the ability to like, retweet and quote tweet other user's tweets.

Task Scheduler | November 2021

- Full stack chat application built using Golang and MongoDB in the backend and React in the frontend. This is an app for a client requiring a personalized task scheduler for their everyday use.

Golang Messenger | July 2021

- Full stack messenger application built using HTML, CSS, Javascript, Golang, socket.io and PostgreSQL. Users can publicly and privately message other users and create new group chats and invite other users to join them.

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 a PostgreSQL database.

EXPERIENCE

Software Engineer Fellow

June 2020 - Present

CUNY Tech Prep, New York, NY

- Selected for a technical training program, as one of 183 students out of 400+ applicants
- 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

Private Java and C++ Computer Science Tutor

September 2019 – November 2021

Brooklyn, NY

- Appointed by several peers to tutor three Junior computer science majors concurrently. Using primarily Java and C++, topics included Orientated programming and Data structures were taught using comprehensive lesson plans.
- By incorporating various methods of teaching, each student was able to pass both their midterm and final exam and complete difficult assignments in a timely fashion.

Computer Science Tutor

February 2018 – May 2020

CUNY Tutor Corps, New York, NY

- Tutored twenty middle school and over a hundred 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 seventy students across seven different classes, allowing for improved grades at the end of each marking period.

AFFILIATIONS

Member, Brooklyn College Computer Science Club

September 2017 - Present