ALFREDO MORALES

(929) 258 – 8844 | agmmendez123@gmail.com | Brooklyn, NY

[in] alfredogmorales | [O] AlfredoMora06 | https://alfredomora06.github.io/

EDUCATION

Hunter College, City University of New York (CUNY)   New York, NY
Bachelor of Arts in Computer Science | GPA: 3.62/4.00, Dean's List   **Spring May 2021**

CUNY Tech Prep   New York, NY
Software Developer Student   **Aug 2020 – May 2021**
Learned in-demand technologies like React, Node + Express, PostgreSQL and industry best practices for design, implementation, and deployment such as MVC, version control with Git/GitHub, agile & scrum, test-driven development, and CI/CD.

Relevant Coursework:
Discrete Structures and Algorithms, C++ Programming, Database Fundamentals, Java, Data Structures, Computer Architecture

SKILLS

Languages: JavaScript, C++, MySQL, Java, Python   **Databases:** SQL, PostgreSQL
Frameworks/Libraries: React, Node.js, Typescript   **Others:** Git, Tailwind, Material-UI, Heroku

RELEVANT EXPERIENCE

TracFlo   New York, NY
Fullstack Software Engineer   **Jan 2022 – Present**
- Using SERN stack while collaborating with a team of developers to build high performance, scaleable full stack web applications for clients (subcontractors and general contractors).
- Collaborates with UX designer, product manager, and leads features from the early stages of rebuilding the main web application at every step: speaking with client/stakeholders, design and wireframe creation, API creation, Back-end integration, front-end responsiveness, testing, and deployment.

Frontend Software Engineering Intern   **June 2021– Dec 2022**
- Redesigned and developed TracFlo's landing website using React.js which doubled their monthly active users from 500 users to 1000, lowered bounce rate by 18% and assisted the company's Republic campaign by doubling and acquiring more than $400,000 in equity crowdfunding.
- Worked in a fast-paced agile environment in a construction technology startup on 6 individual projects. Contributing member of the development team providing input utilized throughout the product development cycle.
- Wrote production-level code to help improve the TracFlo application by creating a component-driven client-side with React.js and Redux and rebuilding the server-side with Node.js and Express.js.

CUNY Tutor Corps   Brooklyn, NY
Math and Computer Science Tutor   **Sept 2019 – June 2021**
- Worked with a four-member team to teach a wide range of high school students on programming with Python and basic computer science logic for the ongoing school year.
- Presented math and computer science topics on individual levels in an easy to understand language and broke down complex problems to individual learning levels by holding group and one-on-one tutoring sessions.

Microsoft TEALS Program   Brooklyn, NY
Computer Science Tutor, *Volunteer*   **May 2019 – May 2021**
- Taught high school public school students with a three-member team on Java programming language and computer science fundamentals for the ongoing school year.
- Prepared activities to engage student interest and improve understanding of difficult and abstract concepts as well as provided test preparation assistance for college entrance examinations in AP Computer Science.

PROJECTS

Earworm   **Jan 2021 – May 2021**
- A music visualization and exploration tool based on Billboard's Year-End charts from 1970-2020. Provides an overview of the albums on every chart year as well as data visualization to offer insights on the way music trends develop over time.
- Designed and developed the user interface using Figma and React.js with complementation from Recharts and Tailwind to display data and information in a fluid and pleasing manner.

CUNY HUB   **Sept 2020 – Dec 2020**
- Group research project which provides CUNY related information to incoming or enrolled CUNY students like: Fun Facts, Contact Information, Campus Map using Leaflet, School Expenses, Available Courses, Majors, Programs, Degrees, etc. in the form of a web app using R Shiny for front end, with a MySQL backend.
- Implemented MySQL to query the normalized data and find relevant information to display and for comparisons.