

ALFREDO MORALES

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EDUCATION

Hunter College, City University of New York (CUNY)

Bachelor of Arts in Computer Science | GPA: 3.62/4.00, Dean's List

New York, NY

May 2021

SKILLS

Languages: Typescript, JavaScript, C++, SQL, Java, Python

Databases: PostgreSQL, MySQL, MongoDB

Frameworks/Libraries: React, React Native, Node.js, Express

Others: Git, Tailwind, Material-UI, Bootstrap, Figma, AWS

CERTIFICATES

In the Lab Product Management, *Product Manager Apprentice*

Aug 2023 – Present

- A 12 week product manager incubator program specifically for people of underrepresented races and genders in tech. The program equips trainees with real-world skills and actionable feedback to jumpstart their product manager careers.

RELEVANT EXPERIENCE

TracFlo

New York, NY

Fullstack Software Engineer II

Sep 2023 – Present

- Lead the development, and successful deployment of client facing analytical tools, including a dashboard within the company's web application, which resulted in enhancing user engagement by 35%, as measured by a significant uptick in average session duration and active users, verified with FullStory.
- Spearhead the development of a daily production log and creation process, with the objective of achieving a 20% increase in user engagement. This involves orchestrating the planning, design, and execution of the initiative to enhance the overall user experience and drive growth.
- Delegate tasks and apply agile/scrum principles to efficiently break down work, ensuring effective sprint cycles and on-time software product delivery.

Fullstack Software Engineer I

Jan 2022 – Aug 2023

- Developed a mobile application using React Native, contributing to the expansion of service offerings and ensuring a seamless user experience for subcontractors and general contractors.
- Contributed to the expansion of service offerings, meeting the needs of over 500 users in the construction management industry, while collaborating with a team of 3 developers to build high-performance, scalable full-stack web applications.
- Led features and spikes in collaboration with UX designers and product managers throughout the entire rebuilding process of the main web application, engaging with client/stakeholders, overseeing design and wireframe creation, API development, back-end integration, front-end responsiveness, and deployment.
- Created comprehensive end to end test suites, resulting in 99% test coverage, to validate functionality and ensure the reliability and accuracy of the system.

Frontend Software Engineering Intern

Jun 2021 – Dec 2021

- 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.
- Wrote production-level code to 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.
- Leveraged Git and GitHub for version control, branching, merging, and code reviews. Actively participated in team stand-ups, peer code reviews, and achieved 30% decrease in deployment time through optimized Git workflow.

PROJECTS

Earworm

Jan 2021 – May 2021

- Developed and deployed a music visualization and exploration tool based on Billboard's Year-End charts from 1970-2020 which provides album overviews and data visualization for understanding the development of music trends over time.
- Designed and developed the user interface using React.js as well as Recharts and Tailwind to display data and information in a fluid and pleasing manner.

CunyHub

Sep 2020 – Dec 2020

- Developed a web application with a group of 3 for a research project which provides CUNY related information to incoming or enrolled CUNY students 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.