

# ALFREDO MORALES

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## EDUCATION

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**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

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

**Databases:** PostgreSQL, MySQL, MongoDB

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

**Others:** Git, Tailwind, Material-UI, Heroku, Bootstrap

## RELEVANT EXPERIENCE

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### TracFlo

New York, NY

#### **Fullstack Software Engineer II**

**Sept 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.
- Orchestrate epics for the team, from initial use cases and design conceptualization in Figma to crafting precise API endpoints utilizing MySQL, Node, and Express, while finalizing the project with optimization of the user interface with React and Redux.
- Create comprehensive test suites, resulting in 99% test coverage, to validate functionality and ensure the reliability and accuracy of the system.
- Collaborate with cross-functional teams to define and prioritize product features and enhancements based on user feedback and market trends.

#### **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, testing, and deployment.

#### **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

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### 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 like: Fun Facts, Contact Information, Campus Map using Leaflet, School Expenses, Available Courses, Majors, Programs, Degrees, etc. 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.

## AFFILIATIONS

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**CUNY Tech Prep, Member, Mentor**

**Aug 2020 – Present**

**Microsoft TEALS Program, Mentor**

**May 2019 – Jun 2021**