

Sebastian Ramos

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EDUCATION

Hunter College

Bachelor of Arts in Computer Science and Chinese Language and Culture
Daedalus CS Honors and Chinese Flagship

Manhattan, NY

Aug. 2023 – May 2027

Relevant Coursework: Data Structures & Algorithms, Discrete Math, Matrix Algebra, Computer Architecture, Statistics, Calculus II

EXPERIENCE

Arts Administration, Fundraising, and Citizen Leadership Intern

Oct. 2024 – Jan. 2025

Mark DeGarmo Dance

Manhattan, NY

- **Automated and streamlined** email distribution, sending thousands of emails to enhance organizational communication.
- **Cleaned and structured** large datasets, optimizing tens of Excel sheets for improved data integrity.
- **Leveraged data insights** to refine contact databases and boost targeted outreach strategies.

PROJECTS

Smart Save (HackNYU - NYU, 2025) | *React Native, Node.js, Firebase, Lithic API, OpenAI API*

- Developed a mobile budgeting app that visualizes real-time spending and calculates an "impulse score" based on user's bank transactions
- Integrated Lithic API and Capital One's Nessie API for secure virtual wallet transactions.
- Built a robust backend with Express.js and Firebase for authentication and real-time data management.

Tailored Learning (DivHacks - Columbia University, 2024) | *Python, Flask, Azure, OpenAI API, SQL*

- Built an AI-driven quiz platform using Flask and OpenAI's API, enabling a personalized and collaborative study environment.
- Implemented real-time multiplayer functionality with WebSockets and deployed on Microsoft Azure.
- Engineered a fully operational full-stack application in just over a day, combining front-end and back-end technologies with SQL for data management.

Fair Fares Analysis (Macaulay Honors x MTA Datathon, 2024) | *NY Open Data, Python, Pandas, Matplotlib*

- Conducted data analysis on public transportation usage in Elmhurst, Queens, identifying a 14.9% gap between eligible residents and Fair Fares program enrollment.
- Proposed targeted outreach strategies, earning 2nd place in the Advanced Category.

We Detox (HackPrinceton - Princeton University, 2024) | *MongoDB, React, Tailwind, Node*

- Developed We Detox, a MERN stack application allowing anonymous users to browse and filter community events for addiction recovery, with event details, reviews, and location mapping via Google Maps API.
- Enabled organizations to manage events through an admin interface, allowing them to add event details, track user feedback, and maintain an up-to-date event catalog.
- Leveraged React, TailwindCSS, and MongoDB to build a scalable, responsive platform connecting users with local recovery events and organizations.

TECHNICAL SKILLS

Languages: Java, Python, C/C++, SQL, JavaScript, HTML/CSS,

Frameworks: Express, React, Node, Flask

Developer Tools: Git, Github, VS Code

Libraries: pandas, Matplotlib

Languages: Spanish, English, Chinese