Jen Martinez

929-428-7573 | jen.martinez@nyu.edu | LinkedIn | Portfolio | GitHub | New York, NY

EDUCATION

New York University   New York, NY
Bachelor of Applied Science in Computer Science | Concentration: Data Science   Expected May 2025
Study Abroad: New York University, Paris, France   January 2024–Present
Relevant Coursework: Object Oriented Program, Data Science, Data Analysis, Linear Algebra, Algorithms, Database Management

RELEVANT EXPERIENCE

NYU Langone Hospital | *Research Assistant* | New York, NY   May 2024–Present
- Conducts comprehensive internet data collection and web-based research on the socioeconomic effects of food on communities, contributing to the Socioeconomic Evaluation of Dietary Decisions Lab's research objectives
- Develops code to streamline data processing, entry, and analysis, facilitating efficient handling of research data and enhancing data readability for the research team
- Collaborates with interdisciplinary teams from NYU School of Medicine and NYU School of Global Public Health to generate empirically-supported guidance for policymakers and organizations, to combat obesity, reduce health disparities, and influence food policy on a global scale

New York University Peer Justice Zone | *Senior Facilitator* | New York, NY   June 2022–Present
- Leads Tandon's Peer Justice Zone as Senior Facilitator, guiding discussions on diversity, equity, and social justice for groups ranging from 7-20 students and faculty members
- Conducts an average of three two-hour sessions each week encouraging critical reflection on personal identities and practices
- Collaborates closely with another senior facilitator and nine Diversity Equity and Inclusion steering committee to develop and curate content modules

Tandon Undergraduate Student Council | *Student Success Branch* | Brooklyn, NY   May 2023–Jan 2024
- Head of the Undergraduate Student Council at NYU Tandon School of Engineering, leading a team of representatives in advocating for student interests and fostering a cohesive campus community
- Conducts comparative analysis of success rates of similar initiatives at peer institutions to inform advocacy strategies
- Analyzes data to effectively represent and advocate for student interests and goals within the administration

PROJECTS

ESG Ratings and Income Analysis Projects | *Data Analyst and Engineer* | Paris, FR   April 2024–May 2024
- Conducted in-depth data analysis and statistical correlation to uncover the link between ESG ratings and company income
- Leveraged advanced data engineering to preprocess datasets, pinpointing key factors influencing ESG ratings and financial performance
- Delivered actionable insights to optimize ESG ratings and income strategies in the tech sector, fostering profitable investments

Interval Mapping Implementation | *Object Oriented Programming* | Paris, FR   March 2024–April 2024
- Developed a template-based interval_map class using std::map for efficient key-value interval management
- Optimized the interval assignment function to handle overlaps and preserve existing values, ensuring accurate assignments
- Conducted comprehensive testing, including edge cases, to ensure reliable value retrieval and map integrity

Student Information Management System (SIMS) | *Database Management* | Paris, FR   March 2024–April 2024
- Developed a relational database in SQLite3 to manage student information, including details on fees paid, courses taken, and teacher assignments.
- Normalized the database to the 4th Normal Form (4NF), ensuring efficient data organization and eliminating anomalies.
- Implemented SQL queries to create tables, insert data, and retrieve information, while maintaining data integrity with primary and foreign key constraints.

LEADERSHIP & PROFESSIONAL DEVELOPMENT

Minds Matter | *Mantee* | New York, NY   October 2019–Present
- Regularly attend career and higher education preparation events to enhance practical experience and networking opportunities
- Effectively communicate with advisors, alumni, and organization officials to build professional relationships
- Attend conferences hosted by industry leaders to stay updated on the latest trends and developments in the field

Double Discovery Center at Columbia University | *Participant* | New York, NY   January 2018–Present
- Receives career development preparation to explore potential career paths and develop essential skills for the workforce
- Attends weekly sessions every Friday at 3:00 PM as part of the Double Discovery Center program, ensuring consistent access to valuable resources and support

SKILLS

- *Programming Languages:* Python, C, C++, MATLAB, SQL, CSS, HTML, JavaScript
- *Technical:* Proficient in Visual Studio Code, Visual Studio, PyCharm, GitHub, MySQL, AutoCAD, Google Looker
- *Languages:* French (intermediate.), Spanish (fluent), American Sign Language (basic), Arabic (beginner)