

Marina Morcos

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EDUCATION

Bachelor of Science, Computer Science, Minor in Mathematics, The City College of New York, Dec 2026 **GPA: 3.67**

Relevant Coursework: Data Structures, Algorithms, Computer Organization, Software Design Lab, Fundamentals of Computer Systems, Discrete Math, Probability and Statistics, Calculus I, II and III, Linear Algebra, Differential Equations, and Physics

EXPERIENCE

Software Engineer Intern, Mount Sinai Hospital, Virtual, NY **Sept 2025 – Present**

- Engineering a secure PostgreSQL database with Supabase authentication to power an employee-only radiology chatbot built in Flask, ensuring protected access to dynamic data on procedure prep, locations, and insurance.
- Training and integrating the chatbot's AI model using Google Gemini, developing a structured data pipeline and admin-facing frontend to enable seamless updates without code changes, preserving accuracy.

Apprentice, CUNY Tech Prep Data Science Apprenticeship, Hybrid, NY **June 2025 – Present**

- One of 180 students selected out of 1000 applicants for data science apprenticeship with students from across the 11 CUNY senior colleges where fellows create technical projects using tools such as Python, Pandas, NumPy, Scikit-learn, and SQL.
- Participating in weekly courses and learning industry best practices for Exploratory Data Analysis (EDA), Feature Engineering, data collection and processing, statistical modeling, data visualization, machine learning techniques, and data science processes

President & Mentor, Girls Who Code, Manhattan, NY **Mar 2024 – Present**

- Collaborated with 4 board members to design workshops for 31 students, iterating guidance based on feedback to maximize impact and improve engagement by 23%.
- Recognized for leadership and program contributions with promotion to President of the University's Girls Who Code loop, overseeing mentor collaboration and student initiatives.

Apprentice, CLEAR Workforce Professional Program, Virtual, NY **May 2025 – June 2025**

- Spearheaded the Figma design and React JS prototyping of a unified CLEAR app dashboard, expanding non-airport use cases to boost user engagement by an estimated 40%.
- Practiced Agile methodologies through 10 interactive workshops to simulate real-world product development, refining cross-functional collaboration and iterative design.

Fellow, Accenture Career Catalyst Program, Manhattan, NY **Feb 2025 – May 2025**

- Created and presented a capstone project on Blockchain and its impact on the HealthCare industry for an audience of 20 Accenture professionals, recognized by senior leadership as one of their top 3 presentations.
- Engaged in 5 case studies and presentations to understand how consulting projects translate into client value, building transferable skills in identifying user pain points, evaluating solutions, and aligning outcomes with business impact.

Research Intern, AI Robotics Research at Hunter College, Manhattan, NY **Jun 2024 – Aug 2024**

- Conceptualized AI smart glasses to aid visually impaired users in navigation, leveraging SLAM algorithms and RGB-D cameras.
- Presented the concept to board of directors, highlighting potential real-world impact and feasibility of AI-assisted navigation.

PROJECTS

EchoVisit (IBM TechXChange Hackathon) **Aug 2025 – Aug 2025**

- Designed & connected database to Supabase with Flask and PostgreSQL to store patient and doctor accounts along with visit notes, supporting an AI-powered doctor visit summarization platform.
- Ranked among the **Top 50 projects globally** out of 800+ submissions, and invited to IBM TechXchange 2025 in Orlando, FL.

Beaver Bot **Feb 2025 – May 2025**

- Programmed a RAG-based chatbot for CCNY students that integrates LlamaIndex, ChromaDB, and OpenAI with access to course notes to provide students assistance with niche course topics and concepts beyond the typical precision of a general AI assistant.
- Used by 17 fellow classmates to assist them with studying their coursework for Programming Language Paradigms.

SPECIALIZED SKILLS

Technical Skills: C++, Python, Java, Pandas, Numpy, Scikit-learn, PostgreSQL, SQL, Hugging Face, Supabase, RISC-V, MATLAB, GitHub, Microsoft Word, PowerPoint, Excel

Core Qualities: Goal-Orientated, hard-working, attentive to the details, excellent communication, and creative problem-solving

AFFILIATIONS

President (May 2025 – Present) & Secretary (Aug 2024 – May 2025), Girls Who Code | Member, Association for Computing Machinery (2022 – Present) | Trip Coordinator, St. George Coptic Church (2018 – Present)