

Marina Morcos

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EDUCATION

Bachelor of Science, Computer Science, Minor in Mathematics, The City College of New York, Dec 2026

RELEVANT COURSEWORK

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

SPECIALIZED SKILLS

Technical Skills: C++, Python, Java, Pandas, Numpy, Scikit-learn, SQL, HTML, CSS, Assembly, RISC-V, MATLAB, GitHub, Microsoft Word, PowerPoint, Excel

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

EXPERIENCE

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

- Selected for a competitive 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

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

- Developed a prototype of a unified identity management dashboard in React JS to enable users to access different industries use cases on the CLEAR app, increasing user accessibility by 40%
- Practiced Agile methodologies through ~10 interactive workshops and online modules that simulate real-world software development and project management

Girls Who Code Mentoring Corp, Manhattan, NY, *Mentor* **Mar 2024 – May 2025**

- Coordinated with 15 mentors to design and deliver workshops aligned to student needs, covering AI, financial literacy, and time management
- Mentored 30 students on career development and college preparation, applying feedback to tailor guidance and maximize impact

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

- Created and presented a capstone project on Blockchain and its impact on the HealthCare Industry for an audience of Accenture professionals and fellow colleagues, recognized by senior leadership as one of their top 3 presentations.
- Gained hands on experience through 5 case studies, presentations, and research to understand key roles, responsibilities, and their impact on client value
- Worked closely, collaborated with a professional from Accenture for personalized career guidance and industry knowledge

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

- Utilized the concept of SLAM algorithms & RGB-D cameras for the prototype to build SMART glasses for the visually impaired
- Conducted research on cost, weight, and durability considerations to optimize the design of SMART glasses by 25%
- Collaborated with two team members on assistive product integration such as considering potential devices
- Presented research findings to demonstrate proof of concept to 3 people from the board of directors

PROJECTS

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

- Designed & connected database to Supabase to store patient and doctor accounts along with visit notes, supporting an AI-powered doctor visit summarization platform, built with IBM watsonx.ai and Orchestrate
- Connected the backend to the database using Flask, enabling secure creation and storage of doctor and patient accounts in the corresponding tables, improving efficiency by 30%

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 and provides human-like assistance related to answering student questions and assisting with tasks.
- Built a responsive Streamlit front-end using python and collaborated on the integration to backend, improving seamless, real-time user interactions by 15%

AFFILIATIONS

President, Girls Who Code, May 2025 – Present

Member, Association for Computing Machinery, 2022 – Present

Mentor & Secretary, Girls Who Code, Mar 2024 – May 2025

Trip Coordinator, St. George Coptic Church, 2018 – Present