

EDUCATION

The City College Of New York, CUNY

New York, NY

Bachelor of Science in Computer Science, Minors in Mathematics, Business and Administration

May 2026

Courses Taken:

Data Structures, Algorithms, Software Engineering, Website Design, Databases, AI, Machine Learning, Linear Algebra

TECHNICAL SKILLS

Languages: Java, Python, C++, SQL, JavaScript, R, HTML, CSS, C, TypeScript, Matlab

Certifications: Supervised Machine Learning, Introduction to SQL Databases From IBM

Libraries and Tools: PyTorch, Tensor Flow, Sklearn, Pandas, Numpy, Git, Node.js, React.js, Google Cloud, AWS

EXPERIENCE

Lohman Laboratory

January 2025 - Present

Software Engineering Intern

- Building a full-stack application with Next.js and MySQL to securely manage data on over 6,000 butterflies and their distinct characteristics, supporting 1,000+ active users worldwide.
- Optimized query capabilities to deliver faster and more accurate data retrieval for researchers.

Google and Basta

October 2024 - Present

Software Engineering Mentee

- Working directly with a L4 Google Software Engineer in order to grow Software Engineering skills and develop further technical skills

Interdisciplinary Data Science Lab

February 2024 - May 2024

Machine Learning Intern

- Researched advanced algorithms to improve the LMCLUS Algorithm, achieving a near **87%** linear manifold finding rate across three dimensions.
- Advanced the understanding of varying heart diseases and delivered a model now being refined by researchers.

ICCAE: Cyber Threat Intelligence Integration Center

August 2023 - June 2024

Software Engineering Research Intern

- Developed an NLP model integrated with a React frontend, utilizing Flask as the backend framework to connect the model and handle API requests, and hosted the application on Hugging Face Spaces for seamless deployment.
- Analyzed over **10,000** data entries to evaluate AI impacts in literature, achieving **80%** accuracy on datasets with more than **5,000** entries while contributing to potential publication efforts.

PROJECTS

MTA Inequality Analysis | *Python, JavaScript, Docker, IpyLeaflet, GeoPandas, Pandas, Numpy*

- Utilized the Python MTA Utilities API to track user times spent on trains and geo-location data to compute train delays for every NYC Metro station.
- Uncovered a correlation between lower income zip-codes having a higher rate of delays, consistently regardless of the 5 Boroughs or foot traffic.

Five Bhais | *NextJS, MongoDB Atlas, Flask*

- Collaborated with a team to develop a full-stack web application with a MongoDB Atlas Database allowing users to browse menus, place orders, and manage deliveries for an online restaurant.
- Resulted in user orders processing **25%** faster on average when compared to major food delivery websites.

Schedule Snake | *NextJS, Docker, Node.js, MySQL*

- Worked with a team to develop a web application to assist users in scheduling university classes, addressing issues with existing schedule builders.
- Led to a **30%** smoother class enrollment process compared to other major schedule builders.

EXTRACURRICULARS

ACM Club at CCNY: [January 2023](#) Climb CCNY: [June 2024](#) NYU AI School: [Completed June 2024](#)

DevFest '24 Hackathon: [Runner Up](#) CTPHacks '23: [4th Place](#) CUNY Tech Prep [July 2023](#)