

EDUCATION

<b>The City College Of New York, CUNY</b> <i>Bachelor of Science in Computer Science, Minors in Mathematics, Business and Administration</i> <b>NYU AI School 2024</b> <i>Completed program with honors</i>	New York, NY February 2026 New York, NY June 2024
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TECHNICAL SKILLS

<b>Languages:</b> Java, Python, C++, SQL, JavaScript, R, HTML, CSS, C, TypeScript, Matlab
<b>Certifications:</b> Supervised Machine Learning
<b>Libraries and Tools:</b> PyTorch, Tensor Flow, Sklearn, Pandas, Numpy, Git, Node.js, React.js, Google Cloud, AWS

EXPERIENCE

<b>Google x Basta</b> <i>Software Engineering Program Mentee</i> <ul style="list-style-type: none"><li>Recieved mentoring 1:1 for 10 weeks, solving technical problems in order to improve SWE assessment scores.</li></ul>	October 2024 - Present
<b>Interdisciplinary Data Science Lab</b> <i>Machine Learning Research Intern</i> <ul style="list-style-type: none"><li>Researched advanced algorithms in order to advance the LMCLUS Algorithm and achieved a near <b>100%</b> linear manifold finding rate in three different dimensions as well as furthered the understanding of varying heart diseases.</li></ul>	February 2024 - May 2024
<b>ICCAE: Cyber Threat Intelligence Integration Center</b> <i>Undergraduate Research Intern</i> <ul style="list-style-type: none"><li>Pioneered an NLP model in order to test different works of literature for AI impacts using over <b>10 thousand</b> data entries in order to possibly publish a paper.</li><li>Achieved <b>80%</b> accuracy when tested with datasets containing over <b>5 thousand</b> data entries.</li></ul>	August 2023 - June 2024
<b>CUNY Tech Prep</b> <i>Data Science and AI Applications Fellow</i> <ul style="list-style-type: none"><li>Worked to reduce LLM hallucination by <b>50%</b> through reranking, rewriting and sentence windowing relevant academic texts.</li><li>Conducted research on census data and train delays to uncover hidden discrepancies in NYC's transit system due to factors such as race and income</li></ul>	July 2023 - June 2024

PROJECTS

<b>MTA Inequality Analysis</b>   <i>Python, JavaScript, Docker, IpyLeaflet, GeoPandas, Pandas, Numpy</i> <ul style="list-style-type: none"><li>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.</li><li>Uncovered a correlation between lower income zip-codes having a higher rate of delays, consistently regardless of the 5 Boroughs or foot traffic.</li></ul>
<b>Five Bhais</b>   <i>NextJS, MongoDB Atlas, Flask</i> <ul style="list-style-type: none"><li>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.</li><li>Resulted in user orders processing <b>25%</b> faster on average when compared to major food delivery websites.</li></ul>
<b>Academic Weapon</b>   <i>Bing API, ChromaDB, Ollama, FastAPI, Flask, Pydantic, Pandas, HuggingFace</i> <ul style="list-style-type: none"><li>Engineered an advanced GPT model that generates problems and study guides over <b>80%</b> similar to student work.</li><li>Reduced LLM hallucination by <b>50%</b> through reranking, additionally utilized a multi-query approach for more accurate outputs.</li></ul>
<b>Schedule Snake</b>   <i>NextJS, Docker, Node.js, MySQL</i> <ul style="list-style-type: none"><li>Worked with a team to develop a web application to assist users in scheduling university classes, addressing issues with existing schedule builders.</li><li>Led to a <b>30%</b> smoother class enrollment process compared to other major schedule builders.</li></ul>
<b>Intern-Shipper</b>   <i>Discord.py, BeautifulSoup,</i> <ul style="list-style-type: none"><li>Developed and hosted a bot on Replit that webscrapes internship listings online and sends them to users, causing a <b>45%</b> increase in internship applications submissions by students.</li></ul>

AFFILIATIONS

<b>ACM Club at CCNY:</b> Co-President and Mentor
<b>Climb CCNY:</b> Vice-President and Club Photographer