

Education

Brooklyn, NY	CUNY Brooklyn College	Expected May 2026
<ul style="list-style-type: none">• Bachelor of Science in Computer Science, Minor in Data Science• Relevant Coursework: Operating Systems, Databases, Data Structures and Algorithms, Software Engineering, Advanced Mathematics, Computer Architecture		

Professional Experience

Software Engineering Intern	Metropolitan Transit Authority	June 2023 – December 2023
<ul style="list-style-type: none">• Enhanced system monitoring efficiency by 25% by developing custom Python tools integrated with SQL databases.• Automated testing processes using Selenium, reducing manual testing time by 40% and increasing code coverage by 15%.• Optimized legacy codebases, improving application performance by 15% and reducing errors by 20%.• Led the integration of new software features, enhancing user experience and aligning with business goals, resulting in a 10% increase in customer satisfaction.• Reduced production error rates by 10% through comprehensive code reviews and debugging tool implementation.		

Data Science Intern	Bedford-Stuyvesant Restoration Corporation	June 2023 – August 2023
<ul style="list-style-type: none">• Improved resource allocation efficiency by 20% using predictive analytics and machine learning models in Python.• Developed interactive dashboards with Google Data Studio, enhancing decision-making efficiency by 15% through actionable data visualizations.• Consolidated datasets from multiple sources into high-quality data pipelines, increasing reporting accuracy by 10%.• Collaborated with stakeholders to implement data-driven solutions, reducing operational costs by 5%.		

Technical Projects

- **AI Trading Bot:** Engineered and deployed an automated trading bot on AWS using TradingView webhooks, reducing manual trade execution by **70%** through AI-driven algorithms.
- **ZIO-Hacks-NYC:** Optimized HTTP header encoding/decoding for the ZIO-HTTP library, improving request processing efficiency by **20%** and reducing latency.
- **Inventory Management System:** Built a real-time inventory dashboard using Next.js, Firebase, and Material-UI, optimizing inventory turnover by **30%** via AI-based demand forecasting.
- **AI Chatbot:** Created a customer-facing AI chatbot using NLP algorithms, increasing response accuracy and reducing customer wait times by **40%**.
- **Tutor AI Rag:** Developed an AI-powered educational platform that personalized tutoring sessions, boosting user engagement by **25%**.

Skills

- **Programming Languages:** Python, Java, C++, JavaScript, SQL, C, R, Objective-C, Solidity
- **Technologies:** AWS, Docker, Firebase, Git, MySQL, Visual Studio, SQL Server, Eclipse, Xcode, Vercel, Google Cloud, Selenium
- **Web Technologies:** HTML, CSS, Next.js, Material-UI
- **Methodologies:** Agile/Scrum, Test-Driven Development (TDD), Continuous Integration/Deployment (CI/CD)