

# Moshe Shtaygrud

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## EDUCATION

**Georgia Institute of Technology** Atlanta, GA  
Online Master of Science in Computer Science (OMSCS) - Machine Learning Specialization Present

**Queens College, City University of New York (CUNY)** Queens, NY  
Bachelor of Arts in Computer Science | **GPA: 3.99/4.00** May 2024

Awards: 4x Presidential Scholar, NYS Academic Scholarship, Blackstone Launchpad Competition Winner

Relevant Coursework: Discrete Structures and Algorithms, OOP, Data Structures, Computer Architecture and Networks, Database Systems, Algorithm Design and Analysis, Software Engineering, Operating Systems, AI, Statistics, Linear Algebra, Calculus

## SKILLS

**Languages:** Python, JavaScript, Java, C++, SQL, HTML, CSS

**Frameworks / Libraries:** Flask, Redis, Node.js + Express.js, React.js + React Router, Bootstrap, FastAPI, BeautifulSoup, Scrapy, Selenium, NumPy, Pandas, scikit-learn, PyTorch, OpenAI, JUnit

**Tools / Platforms:** Linux, Git, AWS, GCP, Azure, Firebase, MySQL, MacOS, Figma, Android Studio, Postman

## RELEVANT EXPERIENCE

**Thryve Teams** Brooklyn, NY  
Technical Operations Engineer Nov 2024 – Present

- Architected and deployed a Node.js/Fastify server on Digital Ocean, implementing automated business logic for cross-platform data synchronization with CI/CD through GitHub, saving 100+ hours of manual data entry per week.
- Serve as HubSpot Super Administrator/Specialist, architecting complex automated workflows, analytics, and third-party integrations while managing system access and driving a 20% increase in operational efficiency in my first month.
- Led critical technical operations including Microsoft AD/Exchange administration, network infrastructure, and systems integration initiatives, optimizing cross-platform workflows by 30%.

**Roomful** Suffern, NY  
Software Development Internship Jun 2023 – Oct 2023

- Implemented RESTful endpoints in Python using Flask to enable seamless integration of OpenAI's API.
- Leveraged GPT-4 to train assistants on 3D environmental data, enabling the automated generation of contextual links within Roomful's metaverse, improving user navigation by 45%.
- Engineered a high-performance caching solution using Redis, optimizing low-latency data retrieval for 25,000+ MAU.
- Developed a market order book using Verus PBAAS in Python, facilitating \$500k+ in digital asset transactions within Roomful's 3D virtual collaboration platform, boosting blockchain adoption.
- Gained knowledge in Git/GitHub version control, Agile/Scrum, EC2, test-driven development, and CI/CD.

**Research Foundation - City University of New York (CUNY)** Virtual  
Data Automation Internship Jun 2022 – Aug 2022

- Wrote Python scripts using Selenium web driver to automate and streamline the data migration process of 7,000+ students' internship records. Eliminating the need for manual data entry, resulting in \$40k+ in labor savings.
- Performed data analysis on internship trends within CUNY, using Pandas and Numpy, driving informed decisions.

## PROJECTS

**Trading Simulator, [[Simulator](#), [GitHub](#)]** Oct 2023

- Developed a trading simulator web application using JavaScript, HTML, CSS, providing financial experience to users.
- Engineered robust user authentication with Firebase, managed dynamic data storage using a NoSQL real-time database, and seamlessly integrated real-time financial data from the Financial Modeling Prep API.

**Automated Market Briefing** Dec 2022

- Engineered an automated market briefing tool in Python, utilizing Selenium for web crawling and Pandas for data analysis, to extract top daily stock gainers and compile briefings with AI-filtered news articles.

**Blackstone Launchpad Business Competition Winner** Feb 2024

- Won \$1,600 with a four-member team on a Fintech startup idea, a platform that empowers naive investors.
- Spearheaded UX design and led ideation sessions to develop core features, including an accessible algorithmic trading platform, aimed at democratizing investment opportunities for novice investors.

**Pickup Web App [[GitHub](#)]** Oct 2024

- Created a social web application using React and Firebase, allowing users to host and join local pickup sports games.