

Olti Gjoni

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EDUCATION

Macaulay Honors College at Hunter College, Manhattan, NY

Major: Computer Science, Bachelor of Arts

~June 2025

Full merit scholarship to Macaulay Honors College (4 years)

EXPERIENCE

Software Engineering Intern, DistroAI, (Virtual)

Summer 2024

- Built web scraping scripts with Playwright and TypeScript, extracting manufacturer data for over 8,000+ products.
- Optimized MongoDB queries, reducing data retrieval time by 15% for large datasets and improving performance.
- Debugged and enhanced AI tools while working with LLMs, ensuring seamless integration and robust performance.
- Used GitHub for collaboration, managing merge requests, branching, and adhering to Agile methodologies.

Software Developer Intern, AuriStor, Manhattan, NY

Spring 2024

- Constructed and expanded a dashboard for a global namespace file system, enhancing user interaction with TypeScript.
- Reduced user navigation time by 30% through intuitive React design on the AuriStor Container Accelerator Dashboard.
- Implemented 20+ backend APIs using Go leading to a 25% improvement in data retrieval speed between millions of files.
- Leveraged Docker and built systems similar to Kubernetes for deployment with AuriStor running on OpenAFS.

Software Engineering Intern, KPMG Advisory, Manhattan, NY

Winter 2024

- Engaged in a project targeting asthma issues in the Bronx, analyzing data from ~40,000 cases to uncover correlations.
- Utilized Python, Matplotlib, Pandas, NumPy, and SciPy to create 35 graphs/visualizations for data analysis.
- Applied KPMG's AdvisoryGPT, using AI analytics to identify complementary correlations among 50+ data types.
- Executed an OLS machine learning model to evaluate potential solutions, leading to a 15% improvement in predictions.

Mentee, Google Software Engineering Program (x2) (G-SWEP) via ProjectBasta

Fall 2023-Spring 2024

- Selected as one of 80 participants, outperforming 700 applicants.
- Participated in 10+ weeks of rigorous technical mentoring sessions with a Google SWE.

PROJECTS

TRON-FundYou (Winner, TRON Builder Tour NYC Hackathon)

- Created a decentralized investment platform on TRON blockchain, linking investors and creators without intermediaries.
- Designed smart contracts ensuring secure and verifiable transactions, releasing funds only under predefined conditions.
- Built a React UI for live TRON (TRX, USDT) price updates and integrated TRONLink for wallet authentication.
- Facilitated successful project funding of ~10,000 TRX during the hackathon, with over 50 transactions processed securely.

AcademiX (Winner, HackCUNY)

- Engineered an innovative iOS app in Swift, enhancing ESL learning supporting 5 languages.
- Employed an OpenAI API to provide real-time, AI-powered language assistance and personalized learning experiences.
- Designed and deployed a FastAPI-powered backend, leveraging PostgreSQL for user data, supporting over 10,000+ files.
- Created a SwiftUI interface with interactive courses, a customizable calendar, and a multilingual AI chatbot for support.

SKILLS AND RELEVANT COURSEWORK

Technologies: C++; Python; JavaScript; Java; HTML/CSS; Swift; SQL; React; TypeScript; MongoDB; Angular; Spring Boot

Relevant Coursework: Software Analysis and Design I,II,III; Computer Architecture I, II; Discrete Structures; Operating Systems; Computer Theory; Web Development

Data Analysis with Python Certification, freeCodeCamp, August 2023

AI-Powered Programming with GitHub Copilot, Microsoft Press, January 2024