

ALEJANDRO OLMEDO

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SUMMARY

Computer Science major (BS) with minors in Cybersecurity and Mathematics, specializing in AI/ML and software engineering. Developed embedded systems for RoboMaster’s combat robotics (C/C++) and fine-tuned LLMs (DeepSeek, Llama) for Hugging Face. Proficient in C++, Python, Java, React, and TensorFlow, with experience deploying quantized models for Apple Silicon and low-resource devices.

EDUCATION

**New York University, Tandon School of Engineering**, Brooklyn, NY Expected Graduation 2025

- *Candidate for B.S. Major in Computer Science, Minor in Cybersecurity and Mathematics*
- *Relevant Coursework:* Machine Learning, Artificial Intelligence, Software Engineering, Application Security, Network Security, PenTesting and Vuln Analysis, Design and Analysis of Algorithms, Databases, Design Project
- *Awards:* 2022 Gunter Georgi Award - Outstanding General Engineering Design (Pi Glove)
- *Amazon 2023 Mini-Hackathon (3rd Place)*
- *NYU Tandon Spring 2024 Data Science Bootcamp*

**Monsignor Farrell High School**, Staten Island, NY Graduation 2021

- *Honor Roll, National Honor Society, First Generation Student*
- *Awards:* Academics in Mathematics and Accounting

WORK & LEADERSHIP EXPERIENCE

**RoboMaster Team: UltraViolet**, Brooklyn, NY 2023-2024

*Embedded Software Engineer: CSE Team*

- Designed, wrote, tested, and maintained code in C/C++ for the Sentry/Hero robot’s movement and attack functionality to compete in RoboMaster (an international robotics competition).
- Documented software reports and presented bi-weekly updates/improvements to lead managers and directors.

**NYU COIN Hall Council (MOCHA)**, Brooklyn, NY 2022-2023

*Representative*

- Coordinated engaging weekly events for NYU Tandon, enhancing campus life.
- Oversaw budget, strategically allocated funds for key improvements and additions along with faculty.

**5 Star Cheese Steak & Pizza**, Manhattan, NY 2021-2022

*Co-Manager*

- Oversaw day-to-day operations and interacted with delivery workers and cooks.
- Handled food deliveries, shipments, and transactions, and interacted with customers.

*Cashier* 2018-2021

- Interacted with customers, handed transactions and resolved customer inquiries and discrepancies.

PROJECTS & VOLUNTEER

**Hugging Face Co, LLM Model Contributor** Fall 2024-Present

- Fine-tuned distilled reasoning models, such as DeepSeek and Llama, by leveraging task-specific datasets to enhance their accuracy on targeted reasoning tasks using cloud computing for open-source community use.
- Quantized distilled reasoning models to GGUF/MLX formats, optimizing performance on Apple Silicon devices and low-resource intensive devices for public download.

**NYU Cyber Security Club (NYU SEC), Member** 2022-2023, Fall 2024-Present

- Participated in weekly Capture the Flags, and meets with industry professionals from Deloitte, Amazon, Meta, FBI

**Institute of Electrical Engineers (IEEE)(2023), Society of Hispanic Professional Engineers (SHPE)(2023-Present), NYU MexSA (2023-Present), Member**

TECHNICAL SKILLS

- *Computer Languages:* (Python, Java, C, C++, React, Swift, SQL, HTML, CSS, PHP)
- *Tools:* (Wireshark, Nmap, Snort, OpenVAS, Ollama, Git, Postman, Docker, UTM, Parallels, HuggingFace)
- *Interests:* (Machine Learning, Artificial Intelligence, Natural Language Processing, Data Science, LeetCode)
- *Software:* (AWS, Azure, Figma, MySQL, LMStudio, IBM SPSS, AutoCAD, Microsoft Outlook, Powerpoint)
- *Other Languages:* (Conversational Spanish, Intermediate Italian)