ALEJANDRO OLMEDO

Staten Island, NY | (917)-831-9762 | ao2267@nyu.edu | LinkedIn (olmedoalejandro) | GitHub (Alejandro-Olmedo) | Personal Website/Portfolio (alejandroolmedo.io) | HuggingFace Co (AlejandroOlmedo)

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
- *Honor Roll, National Honor Society, First Generation Student*   Graduation 2021
- *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
Co-Manager   2021-2022
- 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++, Swift, React, SQL, HTML, CSS, PHP)
- *Tools:* (Wireshark, Nmap, Snort, OpenVAS, Ollama, Git, Postman, Docker, UTM, Parallels, HuggingFace, Ollama)
- *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)