

ALBERTO MEJÍA

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EDUCATION

Georgia Institute of Technology , M.S. in Computer Science Specialization in Interactive Intelligence	GPA: 3.63 08/2025
<ul style="list-style-type: none">Relevant Courses: NLP, AI Ethics & Society, Knowledge-Based AI, Game AI, ML for Trading, AI for Robotics	
Rensselaer Polytechnic Institute , B.S. in Computer Science (<i>cum laude</i>) Concentration in AI & Data, Minors in Psychology, Game Studies	GPA: 3.55 12/2020
<ul style="list-style-type: none">Relevant Courses: Machine Learning from Data, Intro to AI, Software Design & Documentation, Database Systems	

PROFESSIONAL EXPERIENCE

Twitch Interactive (Amazon) - Monetization, Commerce Personalization Team <i>Machine Learning Engineer</i> Go, TypeScript, AWS (Lambda, Airflow/MWAA, CDK, etc.)	San Francisco, CA 07/2022 – 06/2023
<ul style="list-style-type: none">Led the Payment Suspension Report (PSR) pipeline overhaul, automating data lake uploads and extending fraud tables; streamlining fraud data workflows that reduced payout requirements by 50%, supporting the Money team's mission.Boosted fraud detection by enabling historical analysis and downstream fraud signal development.Collaborated cross-functionally to adapt existing ML infrastructure that served model predictions from our ML services.Improved reporting capabilities for our models, allowing applied scientists to track performance metrics in CloudWatch.	
Citi - Global Consumer Technology <i>Machine Learning Engineer</i> HDFS, Hive, PySpark, and YARN	Dallas, TX 07/2021 – 07/2022
<ul style="list-style-type: none">Migrated data science models to Citi's Big Data EAP to allow end-to-end model development, analysis, and automation.Managed model deployment across environments, coordinating approvals and resolving migration-related issues.Created onboarding materials and training methodologies for new hires and facilitated stakeholder communication.	
Tokyo Electron Limited <i>Data Informatics Analyst Intern</i> Python (PySide2, Matplotlib, Pandas)	Albany, NY 01/2020 – 05/2020
<ul style="list-style-type: none">Worked with several teams for user feedback, feature requests, and mockup reviews to design a new cross-platform tool.Revamped a customer-facing GUI for data analysis; optimized & refactored underlying code, reducing SLOC by 50%	
Rensselaer Polytechnic Institute (RPI) - IDEA, CISL labs <i>Undergraduate Researcher</i> , Institute for Data Exploration and Applications OpenCV	Troy, NY 09/2019 – 12/2019
<ul style="list-style-type: none">Researched the application & feasibility of various Computer Vision techniques for the Hockey Motion Capture project.Applied techniques such as color masking and contour detection to track fast moving objects.	
<i>Undergraduate Researcher</i> , Cognitive and Immersive Systems Lab Python	02/2019 - 5/2019
<ul style="list-style-type: none">Researched Natural Language Generation for a Multimodal Dialogue/Machine Teaching research project.Refined agent dialogue to match the complexity of the user by computing the difficulty of spoken sentences.	
IBM - Watson Customer Engagement, Power Systems Performance <i>Cognitive Software Developer Intern</i> Python (Matplotlib, Plotly), Red Hat Enterprise Linux	Dublin OH, Austin TX 06/2019 - 08/2019
<ul style="list-style-type: none">Developed automated processes to accelerate IBM POWER9 & POWER10 chip deployment for post-silicon validation.Saved 100+ hours of labor via benchmarking scripts, data processing & simplification, and interactive charts/graphs.	
<i>Software Development Intern</i> Java (IBM 10x), Chef-Generator, Maven, Vagrant VM, & WebSphere	06/2018 - 08/2018
<ul style="list-style-type: none">Modernized IBM Inflight's usability through reduced clicks, labels, and simplification of data presentations.Learned agile methodologies, consulted with UX designers, & enhanced client exposure to IBM Cloud data processing.	

TECHNICAL SKILLS

Software/Tools: Python (Django/Flask, NumPy, Pandas, Matplotlib, unittest), Java, Scheme, PostgreSQL, Docker, Arduino
Certificates: AI Cybersecurity (Nvidia Triton), Deep Learning, Generative AI w/ Diffusion, Anomaly Detection, Adversarial ML

RELEVANT PROJECTS

📌 Agentic Job Match App React (JavaScript, CSS), Pydantic, FastAPI, Qdrant, Temporal.io, Azure	08/2025, 10/2025
<ul style="list-style-type: none">Engineering a full-stack RAG (Retrieval Augmented Generation) system with a simple frontend & event-driven backend with state durability. Leverages a Vector Database and an LLM (Google Gemini or Anthropic Claude) to support Q&A.Built a job ingestion pipeline to match resumes with best-fit roles using semantic search from postings on career sites.	
📌 GPT-OSS Finetuning Experiment Colab, Unsloth, vLLM, Hugging Face libs	09/2025, 10/2025
<ul style="list-style-type: none">Utilized QLoRA for efficient, quantized fine-tuning of GPT-OSS-20B on a multilingual thinking dataset. Leverages vLLM's high-throughput API inference serving for end-to-end MMLU evaluation using OpenAI's simple-eval framework	
📌 Job Offer Comparison Mobile App Android Studio, Java, JUnit, Room Persistence (SQLite)	06/2025 - 07/2025
<ul style="list-style-type: none">Applied object-oriented architecture, integrated intuitive interfaces, fixed critical stability errors, & led sprint planning.	
📌 Q&A Chatbot Series Python (Keras, PyTorch)	05/2019, 11/2024
<ul style="list-style-type: none">Built a binary answer chatbot using End-To-End Memory Networks. Trained on Facebook AI Research's bAbI dataset.Built an extractive answer chatbot using Key-Value Memory Networks. Trained on a Wikipedia biography dataset.	