

ALBERTO MEJIA

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EDUCATION

Georgia Institute of Technology

GPA: 3.64

M.S. in Computer Science, Specialization in Interactive Intelligence

08/2025

- **Relevant Courses:** NLP, AI Ethics & Society, Knowledge-Based AI, Game AI, ML for Trading, AI for Robotics

Rensselaer Polytechnic Institute

GPA: 3.55

B.S. in Computer Science (*cum laude*), Concentration in AI & Data, Minors in Psychology, Game Studies 08/2018 – 12/2020

- **Relevant Courses:** Machine Learning from Data, Intro to AI, Software Design & Documentation, Database Systems

University of Connecticut

GPA: 3.35

Exploratory Major - Engineering

08/2016 – 05/2018

- **Relevant Courses:** Multivariable Calculus, Discrete Systems, Statistical Methods, Applied Linear Algebra

PROFESSIONAL EXPERIENCE

Twitch Interactive (Amazon) - Monetization, Commerce Personalization Team

San Francisco, CA

Machine Learning Engineer | Go, Typescript, AWS (Lambda, Airflow/MWAA, CDK, etc.)

07/2022 – 06/2023

- Led the Payment Suspension Report (PSR) pipeline overhaul, automating data lake uploads and extending fraud tables.
- Boosted fraud detection by enabling historical analysis and downstream fraud signal development.
- Reduced payout requirements by 50%, supporting the Money team's mission, by streamlining fraud data workflows.
- Implemented ML infrastructure for our models, allowing applied scientists to track performance metrics in CloudWatch

Citi - Global Consumer Technology

Dallas, TX

Machine Learning Engineer | PySpark, Hive, YARN, and HDFS

07/2021 – 07/2022

- 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

Albany, NY

Data Informatics Analyst Intern | Python (PySide2, Matplotlib, Pandas)

01/2020 – 05/2020

- Worked with several teams to design and create a GUI for customer data analysis, collection, & result streamlining.
- Assisted with code optimization and harmonization between current data analytic programs; reduced SLOC by 50%.

RPI - Institute for Data Exploration and Applications

Troy, NY

Undergraduate Researcher | Python (OpenCV)

09/2019 – 12/2019

- 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.

IBM - Power Systems Performance

Austin, TX

Cognitive Software Developer Intern | Bash, Python, Red Hat Enterprise Linux

06/2019 - 08/2019

- 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.

RPI - Cognitive and Immersive Systems Lab

Troy, NY

Undergraduate Researcher | Python

02/2019 - 5/2019

- 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

Dublin, OH

Software Development Intern | Java (IBM 10x), Chef-Generator, Maven, Vagrant VM, & WebSphere

06/2018 - 08/2018

- Improved IBM Inflight's usability through reduced clicks, labels, and simplification of data presentations.
- Learned agile methodologies, UX design, & enhanced client exposure to IBM Cloud data processing.

TECHNICAL SKILLS

Software/Tools: Python (Django/Flask, Jupyter Notebook), Java, C, Scheme, PostgreSQL, Docker, Arduino

Certificates: AI Cybersecurity (Nvidia Triton Inference), Intro to Deep Learning, Generative AI w/ Diffusion, Google ML APIs

RELEVANT PROJECTS

🏠 AI Sport Analytics | Python (OpenPose, NumPy)

06/2024 - 06/2024

- Prototyped a real-time pose estimation prototype to detect yoga positions, body ratio proportions, & fall detection.
- Created wireframes, personas, user stories as well as class diagrams & sequence diagrams for future prototypes.

🏠 AI Stock Trader | Python (NumPy, Pandas, Matplotlib)

09/2021 - 11/2021

- Implemented a Classification-based learner, using a Random Forest and technical indicators, to develop trading rules.

🏠 Q&A Chatbot | Python (Keras, PyTorch)

05/2019 - 05/2019

- Implemented a deep learning chatbot that gives binary answers to questions based on a given story. Based on the 2015 paper "End-To-End Memory Networks". Trained on a subset of Facebook AI Research's bAbI dataset.