

EDUCATION

Georgia Institute of Technology, GPA: 4.0 *Anticipated Graduation - May 2026*

Master's of Computer Science, Artificial Intelligence Concentration

Coursework: Machine Learning, Natural Language Processing, Reinforcement Learning, Knowledge-Based AI, Machine Learning in Trading, Human-Computer Interaction

Case Western Reserve University, GPA: 3.89 *Aug. 2018 - May 2022*

Bachelor of Arts in Computer Science, Economics & Philosophy, Minors in AI and Political Science

Awards - Jack Kent Cooke Graduate Scholar, Maybell S. Donnell Award, Dean's Honors 2018-2022

EXPERIENCE

APRICOT-AI *April 2025 - Current*

Machine Learning Engineer Intern

- Engineered a real-time Computer Vision scanner application with TensorFlow Lite and PyTorch that detects tongue position and image clarity to help doctors give quicker diagnoses to patients on iOS and Android.
- Modified the base YOLOv8 architecture via weight freezing and fine-tuning. Achieved 99% accuracy in 0.7 second video scans using less than 15 MB of memory.
- Collaborated in developing local LLMs including Doctor-AI feedback systems and adaptive prompt optimization.

INSPIRE BRANDS *Jan. 2024 - Dec. 2024*

Data Analyst, Guest Experience Analytics

- Provided ML analytic support to decision makers for Arby's, Buffalo Wild Wings, Jimmy John's, and Sonic, often leading to concrete app and operational changes.
- Led the redesign of Guest Experience data engineering processes. My automations have since attained 6 million+ transactional surveys using Python, SQL, and Snowflake.
- Enhanced the Guest Experience feedback program by creating and distributing surveys, building field-facing dashboards for 42,000 users, and analyzing responses to improve restaurant performance.

CALIFORNIA HOUSING DEPARTMENT *June 2022 - Mar. 2023*

Data Science Consultant

- Forecasted and automated land plot market valuations via ML methods using Python, Scikit-Learn, Excel, and CUDA resulting in significant cost savings for the department.
- Achieved 81% accuracy on an SVM ensemble to predict the likelihood of obtaining building permits on land parcels in Python using the forecasted market valuations.
- Presented our findings, leading 7 other cities joining the project, drastically increasing our data availability.

CASE SCHOOL OF ENGINEERING *Dec. 2021 - May 2022*

Research Lead and Web Developer

- Developed a Python Computer Vision web app for Statics Engineering practice, scaling to 80+ Universities. This project used OpenCV, Blazepose and Caffe for detection and JavaScript, HTML and AWS for the app.

TECHNICAL SKILLS

Certifications - *Google Advanced Data Analytics, PowerBI Dashboards, Big Data with PySpark*

- Machine Learning
- Python
- PyTorch & Tensorflow
- Computer Vision & LLMs
- Data Science
- Excel & R
- SQL & Snowflake
- Tableau & PySpark
- Software Engineering
- Java, Swift & Kotlin
- JavaScript & HTML
- Git, AWS & Node.js