

## EDUCATION

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**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

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**UNDISCLOSED (NDA)**

*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 0.3 second video scans using less than 15 MB of memory.
- Researched and implemented Automatic Prompt Optimization algorithms as well as AI safety and consistency measures.

**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 connected 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

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

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