

Kevin Galvan Cuesta

AI/ML Researcher & Engineer

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EDUCATION

Georgia Institute of Technology, GPA: 4.0

Jan. 2025 - May 2026

Master of Science in Computer Science, Artificial Intelligence Specialization

Research: Robustness of Deep Stroke Lesion Segmentation Models Under MRI Motion Artifacts — preprint in portfolio

NextWave Hackathon: 1st Place, Mexico; 4th Internationally. Built negotiating voice agents using real-time market data.

Case Western Reserve University, GPA: 3.89

Aug. 2018 - May 2022

Bachelor's in Computer Science, Economics, and Philosophy, Minors in AI and Political Science

Awards - Jack Kent Cooke Graduate Scholar, Hispanic Scholarship Fund Scholar, Dean's Honors 2018-2022

EXPERIENCE

APRICOT AI

April 2025 - Present

Machine Learning Engineer

- Architected and deployed a real-time on-device ML inference service (PyTorch + TensorFlow Lite) for a mobile computer vision diagnostic tool across iOS and Android, including camera processing, quality checks, and automated image capture.
- Achieved a 99% clinical-grade image capture rate in production with <12MB model size and <180ms latency by applying structured weight freezing and fine-tuning to YOLOv8n, while improving reliability and performance on low-end devices.
- Built retrieval-augmented generation (RAG) conversation memory for a clinical LLM system by abstracting message history and ranking context with BM25, vector embeddings, and reranking to retrieve relevant prior messages.
- Built evaluation and safety pipelines for clinical LLMs, including hallucination detection, Chain-of-Verification workflows, and systematic prompt evaluation, detecting hallucinations in 70% of corrupted-response evaluation cases.

INSPIRE BRANDS

Jan. 2024 - Dec. 2024

Data Analyst, Machine Learning

- Designed and deployed an automated survey distribution system via REST APIs, linking tens of millions of transactional events to personalized outreach each year; internally projected to save over \$1.5M annually.
- Led redesign of Guest Experience data engineering pipelines (Python, SQL, Snowflake), creating scalable workflows and enabling NLP-based sentiment analysis of customer responses.
- Delivered statistical and ML analyses that informed product and operational decisions across 4 national brands.

CALIFORNIA DEPARTMENT OF HOUSING

June 2022 - Mar. 2023

Data Science Consultant — in collaboration with Dr. Daniel Shoag, Harvard Kennedy School

- 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 with an SVM ensemble predicting building permit approval using forecasted parcel valuations.
- Presented our findings, leading 7 additional cities to join the project, drastically increasing our data availability.

CASE SCHOOL OF ENGINEERING

Dec. 2021 - May 2022

Research Lead, Computer Vision

- Secured funding and led a 3-person team to deploy a computer vision web app for statics engineering practice across 80+ universities, implementing real-time pose estimation using BlazePose, Caffe, and OpenCV, with an AWS-hosted backend.

TECHNICAL SKILLS

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|-------------------------------|----------------------|---------------------------|
| • ML Systems & Deployment | • Python | • Edge & Mobile Inference |
| • PyTorch & TensorFlow | • REST APIs & Docker | • Java, Swift & Kotlin |
| • Computer Vision | • SQL & Snowflake | • JavaScript & HTML |
| • LLMs, LangChain & Retrieval | • PySpark | • AWS & Node.js |