

Elliot Palmer

B.S. Computer Science, Data Science Emphasis | University of Mississippi
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PROFILE

Computer Science graduate (B.S., Data Science emphasis, May 2026) with hands-on experience in applied machine learning and computer vision. Built end-to-end gesture-recognition systems benchmarked across edge hardware tiers and trained temporal CNN models on custom video datasets. 3+ years producing RLHF training data for frontier LLMs. Seeking roles in ML engineering, AI, or computer vision.

EDUCATION

University of Mississippi — B.S. Computer Science, Data Science Emphasis *Aug 2022 – May 2026*
Oxford, MS • GPA: 3.5 • Engineering program member

- **Graduate coursework:** Computer Vision & AI (A), Machine Learning (B)
- **Undergraduate coursework:** Operating Systems (A), Algorithms & Data Structures (A), Data Science (A), Organization of Programming Languages (A), Business Analytics Programming (A)
- **Clubs:** AI & Machine Learning Club, Finance Club, Sigma Chi

Alpharetta High School & Georgia State University — Dual Enrollment Coursework *Aug 2018 – May 2022*
Alpharetta, GA • GPA: 4.0 • Honor roll 4 years

- **Awards:** FBLA 1st in Region (Business Plan Competition), 7A Georgia State Track Champion, final-cut walk-on candidate for Ole Miss basketball (2 seasons)

EXPERIENCE

Data Annotator — Data Annotation Tech *Mar 2023 – Present*
Remote

- Produce **RLHF (Reinforcement Learning from Human Feedback)** training data for frontier LLMs (**Gemini, Claude**, and others) across math, coding, and computer science domains.
- Evaluate and critique model outputs in STEM tasks, generating high-quality preference and correction data to improve model accuracy.
- Author training examples focused on **numeric reasoning, algorithmic correctness, Logistic Regression**, and **Classification** models.

Lead Developer — Discount MX *Aug 2024 – Present*
Alpharetta, GA

- Built a **50,000+ product database** on **Neon (PostgreSQL)** with daily-updating ingestion from distributor catalogs and API feeds.
- Designed and shipped full-stack e-commerce application (REST APIs, admin dashboard, consumer storefront) in collaboration with non-technical stakeholders.

PROJECTS

CatalisLabs — M&A Deal Sourcing Agent (Solo) *2026*
Python, Claude, Streamlit, SQLite, Gmail MCP, Git

- Built an autonomous sourcing agent (scheduled daily Claude routine with web search) that researches and scores dental industry M&A prospects, deduplicating against a 316 company pipeline before writing through a single validated writer enforcing schema and enum checks on every edit.
- Designed a CRM dashboard (Streamlit) with a deal evaluation cockpit (stage weighted expected value, revenue concentration, portfolio quality metrics) and a Kanban pipeline board spanning 43 live deals and 273 cold prospects.

- Closed the outreach loop end to end: deterministic draft generation, human approval workflow, and Gmail MCP integration for draft creation, with git backed persistence so edits survive restarts on an ephemeral cloud deployment.

One Gesture Recognition (OGR) — B.S. Capstone (Solo)

2025 – 2026

Python, PyTorch, OpenCV, MediaPipe, TCNs • [git url](#)

- Designed a real-time gesture-recognition pipeline (pose extraction, temporal windowing, TCN classifier) and benchmarked the **FPS × accuracy Pareto frontier** across edge hardware (laptop CPU, Raspberry Pi 5, Jetson Nano).
- Trained TCN backbones on pooled NTU RGB+D and custom-recorded video data; implemented **per-video holdout evaluation** to replace naive window-level splits and produce defensible accuracy numbers.
- Evaluated multiple pose-estimation models (YOLOv26 Nano / Medium, MediaPipe Holistic, MoveNet) for latency–accuracy tradeoffs on constrained hardware.
- **Findings:** delivered above 95% F1 on seen subjects in new scenes and +80% F1 on novel cross-subject holdout. **MoveNet Lightning** identified as the only above-30 FPS CPU option at **47.3 FPS**, making the demo viable on hardware without MPS or CUDA acceleration.

Lycem Ledger — Group Project

2024 – 2025

SwiftUI, Django, MongoDB, React • [git url](#)

- Built the **iOS client in SwiftUI** for an insurance-company platform, integrating with a **Django / MongoDB back end** and **React** web front end.
- Delivered in **Scrum sprints** with a four-person team; managed stakeholder demos, sprint retrospectives, and timeline tracking.

SKILLS

- **ML / Computer Vision:** PyTorch, OpenCV, MediaPipe, scikit-learn, NumPy, pandas, TCNs, CNNs, RLHF data pipelines, edge deployment
- **Languages:** Python, Java, C++, JavaScript, SQL, PySpark, Swift, HTML/CSS, PHP
- **Data & Infrastructure:** PostgreSQL (Neon), REST APIs, Jupyter, Google Colab, Git, data visualization
- **CS Foundations:** Algorithms, data structures, time / space complexity, operating systems