

DREW JONES

ML Engineer (NLP / Applied ML) | LLM Systems / LLM Ops | Data Platform Engineering
Reno, NV (Seeking Remote, open to Relocation) • github.com/mrdrewj • linkedin.com/in/senojwerd
** Contact information intentionally withheld from this version available on drewj.net**

SUMMARY

AI/ML engineer focused on NLP and LLM systems with 10+ years shipping production software, data pipelines, and Python automation. Over the past 4 years, I have shipped LLM-enabled workflows and applied ML projects, including embeddings, clustering, and classification. I build end-to-end pipelines with evaluation and regression testing, cost and quality benchmarking, and cloud monitoring, and I turn ambiguous requirements into reliable, audit-ready tools, including in HIPAA-aligned environments.

TECHNICAL SKILLS

Languages: Python, SQL, JavaScript

LLM systems: OpenAI API, AWS Bedrock, Claude, Llama; prompt design; multi-step workflows/agents; RAG/vector search; LangChain/LangGraph; eval & regression testing; safety/tone QA

ML/NLP: Transformer embeddings (DistilRoBERTa), TF-IDF, clustering (K-means), classification (logistic regression), AutoGluon; metrics (AUC/ROC); model diagnostics

Data/Cloud/DevOps: AWS (SageMaker, ECS, ECR, EventBridge), Docker, Git/GitHub, CI/CD, Datadog, Linux; ETL pipelines, batch scheduling, data quality

Integrations/BI: REST APIs, Google Ads API, Power BI, BigQuery, ODBC/FTP

PROFESSIONAL EXPERIENCE

AI Strategy and Automation Engineer | LegalMatch

Reno, NV | May 2025 - Present

- Engineered a multi-stage LLM workflow (Python) to audit ~7,000 law-library articles; flagged outdated content on ~10% of pages and saved an estimated 13+ months of manual review time.
- Built LLM evaluation and regression-test harnesses to compare models, prompts, settings, cost, and output quality; diagnosed and resolved a production tone defect via prompt redesign.
- Optimized a SageMaker embedding + clustering pipeline (DistilRoBERTa + K-means) by excluding empty/irrelevant text during feature generation, improving runtime 50x+ while preserving results.
- Productionized AWS-scheduled monitoring (ECS/EventBridge) for site quality and SEO signals; exported metrics to Datadog alerts and delivered an on-demand page-speed validation tool.
- Built a lead-identification pipeline enriching ~1M visitor IPs with firm detection and non-client filtering; delivered real-time sales notifications and recommended vendor adoption after benchmarking.
- Built an LLM-guided intake MVP (Python + OpenAI API) and began extension to voice AI intake using playbook-driven dialog and tool-integrated data capture.

Director of Data Analytics | The Children's Cabinet

Reno, NV | Jun 2024 - Apr 2025

- Directed analytics, reporting, automation, and data infrastructure across multiple programs; standardized delivery workflows and documentation practices.
- Designed and implemented Python/SQL ETL pipelines to improve data quality and accelerate delivery of program-critical datasets.
- Deployed internal LLM-based assistants for staff guidance and knowledge retrieval; strengthened HIPAA-aligned QA controls for audit readiness.
- Delivered production ML/NLP models for operations (no-show risk, intake routing, forecasting) embedded into workflows; improved routing accuracy by ~12 points and reduced missed appointments ~15%.
- Led and mentored junior analysts; institutionalized version control and reproducible analytics practices.

Systems and Data Manager | The Children's Cabinet

Reno, NV | Sep 2022 - Jun 2024

- Owned administration of enterprise CRM and reporting systems, ensuring uptime, data integrity, and secure access.
- Automated grant and program performance reporting using Python and SQL, reducing errors by ~95% and eliminating manual spreadsheet workflows.

- Integrated siloed sources via ODBC, automated FTP ingestion, and scheduled batch jobs to deliver consolidated datasets for analytics.
- Authored training resources enabling self-serve analytics for non-technical teams; served as liaison across IT, program leadership, and vendors.

Accounting Analyst | Lewis Management Corp.

Upland, CA | Feb 2021 - Sep 2022

- Built Power BI dashboards and recurring finance reports to improve AP/AR visibility, spend tracking, and month-end close operations.
- Automated spreadsheet workflows in Python (cleaning, validation, calculations), reducing manual reporting time and improving accuracy.

Geophysicist / Project Geophysicist | Zonge Engineering & Deep Imaging

Reno, NV / Houston, TX | Sep 2016 - Feb 2020

- Built Python-based time-series and signal-processing pipelines for large sensor datasets; feature engineering, filtering, spectral methods, and automated QA/QC.
- Applied inverse problems / optimization and statistical modeling to estimate subsurface properties; uncertainty analysis and model validation against field measurements.
- Worked with spatial data / geostatistics and mapping workflows; productionized analyses into reusable tools and reports for cross-functional stakeholders.

SELECTED PROJECTS

- The Planned Pan (2025) - Built and launched a production meal-planning and grocery optimization web app using a multi-step LLM workflow; hardened key steps with deterministic automation to improve consistency while retaining LLM calls where they add value.
- Youth Mental Health Navigator (2024) - Built a ChatGPT-style web app (Python/Dash + OpenAI API); fine-tuned a model on a curated dataset of local providers; launched publicly and won a \$25,000 Box.org innovation grant.

EDUCATION

M.Sc., Geophysics - Memorial University of Newfoundland (2017)

B.Sc., Geophysics - University of Nevada, Reno (2014)

PUBLICATIONS (SELECTED)

- Monitoring Hydraulic Fracture Flowback in the Permian Basin Using Surface-Based, Controlled Source Electromagnetics. URTeC 2019.
- Using Land Controlled Source Electromagnetics to Identify Geologic Controls During a Zipper Frac Operation - Case Study from the Anadarko Basin. SPE 2019.