Luis Mora

Loja, Ecuador
Phone number: +593 987666554
E-mail: ljmora004@outlook.com
Linkedin: **https://www.linkedin.com/in/ljmor/**
GitHub: **https://github.com/ljmor**

Software Developer | AI Engineer | Machine Learning Engineer

Software Developer | AI Engineer | Machine Learning Engineer with over 2 years of experience delivering data-driven solutions across the healthcare, fintech, and e-commerce sectors. Core tech stack includes **Python, Scikit-learn, TensorFlow, Docker, LangChain, SQL, AWS, JavaScript, React, and Node.js**. Currently working at ScaleAI in a highly technical role focused on LLM evaluation, reinforcement learning pipelines, and model alignment, designing complex evaluation environments, ensuring Model Context Protocol (MCP) compliance, applying advanced prompt engineering, generating structured GTFA outputs, and using Python-based data science logic as ground truth to test, validate, and optimize model behavior. Previously at Clipp, developed analytics solutions and behavior segmentation models using clustering algorithms and linear regression to drive marketing insights. Also led development of a full-stack clinic management system and deployed machine learning models for image classification and credit risk analysis. Holds a Computer Science Engineering degree in progress from the Private Technical University of Loja and has completed a Machine Learning specialization through AnyoneAI. Demonstrates solid practical experience with cloud deployments, model deployment via APIs, and scalable data pipelines.

Work Experience

AI Research & Evaluation Engineer at ScaleAI   Jul 2025 to date

- Designed and executed **LLM evaluation pipelines** (reasoning, safety, factuality, tool-use, MCP compliance), leveraging Python-based data science scripts and statistical logic as ground-truth validators for complex tasks.
- **Performed RLHF/RLAIF evaluations** and produced high-quality alignment data (GTFA) across programming, multi-step reasoning, planning, and debugging scenarios to support fine-tuning and reward modeling.
- Applied advanced **prompt engineering** (CoT, self-refine, adversarial prompting, toolformer patterns) to stress-test LLMs, expose failure modes, and improve robustness and instruction-following.
- Built **programmatic evaluation frameworks** using rule-based logic, schema validation, and analytical checks, providing technical insights on reasoning gaps, MCP failures, and alignment issues to engineering teams.

Main Technologies: Python, NumPy, Pandas, JSON Schema Validation, RLHF/RLAIF Pipelines, Model Context Protocol, Prompt Engineering, APIs.

Machine Learning Engineer at Clipp (Part-time)   Oct 2024 to Aug 2025

- Develop a comprehensive **data analytics solution for Clipp's product suite** (Taxis, Buses, Events, Delivery, Payments, and Parking), focused on business behavior analysis over time. Contribute to data architecture design, integration of data sources provided by the IT team, development of dashboards validated by product managers, report export features, and experimentation with AI algorithms.

- **Developed** and tested multiple clustering algorithms (e.g., K-Means, DBSCAN) to segment user behavior from Clipp Events app data, improving targeted marketing strategies and enhancing user engagement potential.
- **Preprocessed** and engineered features from raw user event logs to enable effective application of machine learning models, ensuring data quality and consistency across the pipeline.
- **Interpreted** predictive linear regression results to guide strategic marketing actions, contributing to data-driven decision-making and optimized customer outreach.

Main Technologies: Python, Sci-kit learn, Tensorflow, Pandas, PowerBI.

Machine Learning Engineer at Anyone AI (Part-time)   Mar 2025 to Jul 2025

- Predicted **home credit repayment capability** using supervised models (DecisionTree, XGBoost, LightGBM) on 350K+ transactions, achieving **ROC AUC > 0.72**. Handled data preprocessing, visualization, and feature engineering.
- Analyzed **revenue and delivery data for a major Latam e-commerce platform** (2016–2018). Built ELT pipeline with SQLite/SQL to uncover product trends, regional revenue patterns, and delivery performance gaps.
- Built **image classification model (CNN)** to identify vehicle make/model from e-commerce images. Applied data cleaning, augmentation, and deployed the model as an API on AWS using Docker (82% accuracy).

Main Technologies: Python, Numpy, Pandas, Scikit-learn, Keras, PyTorch, Docker, AWS

Full Stack Developer at Clínica San Jose   Oct 2024 to Feb 2025

Private clinic offering multiple medical specialties

- **Developed** and deployed a full-stack Clinic Management System for San José Hospital, integrating **React + Redux (frontend)** and **Node.js + Express (backend)**, which streamlined patient data handling and reduced administrative workload by an estimated **40%**.
- **Deployed** the full solution using **DigitalOcean (database)**, **Render (backend)**, and **Netlify (frontend)**, achieving a robust and responsive web application accessible to staff with minimal downtime.

Main Technologies: Javascript, React, Mysql, NodeJs, ExpressJs.

Projects

- **Insurance Policy AI Assistant**   2025
Developed an intelligent, multi-tool AI agent to optimize insurance workflows, including policy creation and risk assessment. The system uses Retrieval-Augmented Generation (RAG) to query a vectorized database of policies and can perform live web searches for up-to-date information, streamlining the underwriting process.

Main Technologies: Python, LangChain, Google Gemini API, FastAPI, Docker, Streamlit.

Skills

Tech Skills: Python, Javascript, Numpy, Pandas, Tensorflow, Scikit-learn, Langchain, SQL, FastAPI, Docker, AWS.
Agile Methodologies: Design Thinking, Scrum
Other Tools: Git, PowerBI, Orange Data Mining, Knime
Languages: Spanish (native), English (B2)

Education

Private Technical University of Loja   2023 to date
Degree in Computer Science Engineering
Machine Learning Engineer at AnyoneAI   2025
Specialization in ML development

Certifications

Machine Learning & Data Science - **Udemy**   2025

English for IT 2 - **Cisco Networking Academy/OpenEDG**   2025