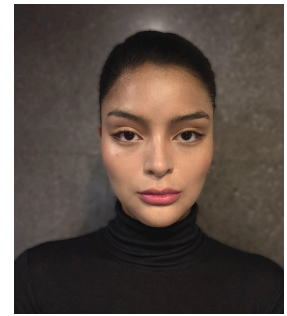# Alessandra Zamora

Jr Colina 246 apt. 101
Barranco, Lima - PE 15063 **(Open to Relocation or Remote)**
alessandrazamora11@gmail.com | **+51 945 352 326**
GitHub | LinkedIn | Website | HackerRank

Professional Summary

Software engineer and BSc Computer Science (AI & Data Science specialization) undergraduate with hands-on experience across distributed systems, machine learning experimentation, automation, full-stack engineering and applied product development. Strong reasoning ability, fast learner, and persistent problem solver with experience in designing end to end intelligent systems, from data acquisition and modeling to deployment and iteration. Looking for a role where technical depth and high expectations drive my professional growth.

Technical Skills

Languages: Python, JavaScript, SQL, C++, C#
Machine Learning: HuggingFace, Scikit-learn, TensorFlow, PyTorch, Transformers, PM2, W&B
AI Workflows: Fine-tuning, Embeddings, NLP, OCR, inference pipelines, data preprocessing, web scrapping, etc.
Software & Frameworks: Nodejs, React, Express, Flutter, FastAPI
Cloud & DevOps: Docker, Ansible, GCP, DigitalOcean, CI/CD pipelines
Databases: MySQL, MongoDB, Firestore, Apache
Tools: Git, Postman, Linux, Jupyter, CUDA, Firebase, API integration & automation

Experience

Nov 2022 - Present
Self-Employed – *Technical Operations & Real EState Investment*
- Reinvested earnings from independent distributed AI mining into diversified assets (two rental properties).
- Led budgeting, contractor coordination, and operational logistics; applying systems thinking to construction timelines and cash flow.
- Designed digital workflow automation for accounting, remote payments, vendor tracking and forecasting.

Remote | Dec 2021 - Nov 2022
Bittensor – *Data Mining Engineer (Distributed AI / Blockchain)*
- Built and scaled a distributed mining cluster of 100+ computer nodes using DigitalOcean and Ansible automation, improving performance and monitoring efficiency with pm2 and W&B.
- Conducted NLP mining experiments using HuggingFace models like BERT, DistilBERT and transformers, optimizing parameters and boosting yield and network contributions.
- Proposed and influenced the solution to a consensus mechanism flaw ("cabal formation risk") by redefining reward gradients toward network-level usefulness instead of peer scoring, improving system stability prior to a key investor presentation.
- Translated core platform and onboarding documentation into Spanish and engaged Latin American universities for strategic outreach and research partnerships.

Remote | Oct 2019 - Jul 2020
Freelance – *Software Engineer / Web Developer*
- Designed and built full-stack applications and transformed low-code websites for easier admin access and maintenance for small businesses, including e-commerce, product catalogs, and appointment systems.
- Delivered responsive UX, API integrations, and basic brand identity for clients including food businesses, pet shops and retail.

- Managed client communication, requirements gathering and post-delivery iteration.

Projects

Python | HuggingFace | TensorFlow | Computer Vision | Data Pipelines

AI assistant for household automation system – *Thesis Project*

- Designed a multi-component intelligent agent that assists with chore delegation, responsibility tracking, forecasting and schedule optimization.
- Implemented OCR + classification to extract and route household data (task, receipts, expenses, etc).
- Built a deep neural architecture combining perception modules and behavioral data to generate personalized recommendations.

CoinMarketCap API | Python | Automation

Portfolio Intelligence & Market Monitoring Tool – *Easy Stocks*

- Built alerting and forecasting system for crypto and equities using global listing data and portfolio tracking.
- Implemented custom ranking and signal mechanism to evaluate top-100 assets based on volatility and movement patterns.

Education

Apr 2022 | apr 2026 | Grade: 81.5%

University of London (Goldsmiths) – *Bsc (Hons) Computer Science – AI & Data Science Specialization*

Certifications

- **[Machine Learning A-Z: Hands-On Python & R In Data Science](#)** – *Udemy*
- **[The Complete Web Developer in 2022: Zero to Mastery](#)** – *Udemy*

Other Experience & Achievements

- Wrote a research paper on domestic AI agents and socio-technical design.
- Volunteered in orphanages and animal rescues in Sri Lanka (2018).
- Strong independence, resilience, and ownership demonstrated through self-funded studies, career transitions and long-term projects.

Strengths

Analytical reasoning | Fast learner | persistence under ambiguity | initiative | cross-domain problem solving | leadership | highly adaptable