Joaquín Jiménez
Machine Learning Engineer

📞 +34 675 26 03 53 | ✉️ joaquinjimenezlc@gmail.com | 🔗 JoaquinJimenezLopezDeCastro | 🐙 johacks/CV

SUMMARY

Machine Learning Engineer experienced in large language model (LLM) application development and computer vision. Curiosity-driven and proactive, I thrive in fast-paced environments where initiative and innovation are valued. Eager to apply my expertise in a collaborative role advancing machine learning and software engineering solutions.

EXPERIENCE

Management Solutions,   Nov. 2022 – Nov 2024
Machine Learning Engineer at R&D branch   Madrid, Spain

- 100x performance improvements in the **GreenLightning AI** algorithm, developed by **Qsimov**, leading to two project renovations. Acquired knowledge: **MLflow**, **Keras 3**, **JAX**, **Tensorflow**, **PyTorch** and **GPU distributed training**.
- Developed and deployed five **LLM applications**, including a **policy chatbot** using **Retrieval-Augmented Generation**, securing a €1M project with Inditex. Acquired knowledge: **FastAPI**, **Vue/React**, **AWS Bedrock**, **web-scrapping**, **named entity recognition**, and **prompt engineering**.
- Built securized **HTTPS proxy** to serve the firm's applications, allowing potential clients to access demo versions without accessing internal network. Acquired knowledge: **AWS Route53**, **Cognito**, **EC2** and **Traefik**.

Computational Intelligence Group,   Feb. 2022 – July 2022
Research Internship   Madrid, Spain

- Developed a new **Bayesian Network classifier**, for mixed-variable multiclass datasets, that surpassed by +3% the accuracy of random forests while retaining model explainability.

Instituto de Ingeniería del Conocimiento,   July 2020 – Sept. 2020
Summer Internship   Madrid, Spain

- Deployed monitoring infrastructure of **Oracle** and **DB2** servers using **Zabbix**, integrating data with **ELK Stack**.

PERSONAL PROJECTS

Open Source   Nov. 2024

- Contributed **music generation with transformers models** script to Keras.

Named Semaphores   Nov. 2024

- Created **Python package** that provides a high-level API for **POSIX named semaphores** and uploaded to **PyPi**.

VSPong   Jan. 2023 – Feb. 2023

- Developed a **VSCode extension** for multiplayer Pong with coworkers over **P2P** connections.

EDUCATION

Polytechnic University of Madrid   Sept. 2021 – July 2022
Master in Artificial Intelligence   Madrid, Spain

- Graduated with a 9.22/10 score.

Autonomous University of Madrid, Higher Polytechnic School Sept. 2017 – May 2021
Computer Science Degree   Madrid, Spain

- Graduated with a 8.95/10 score, 13 honorable mentions and 3 Excellence Scholarships from the Community of Madrid.

SKILLS

Soft skills

- Leadership
- Mentoring
- Creativity
- Adaptability
- Time Management
- Critical Thinking

Spoken Languages: English (C1), French (B2) and Spanish (native).

HOBBIES

- 🎵 Piano & guitar
- ☕ Barista
- ♟️ Chess