

Joaquín Jiménez

Machine Learning Engineer

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SUMMARY

Machine Learning Engineer experienced in large language model (LLM) application development and deep learning across frameworks, with a focus on 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,
Machine Learning Engineer at R&D branch

Nov. 2022 – Nov 2024
Madrid, Spain

- Achieved 100x performance improvements in the **GreenLightning AI** algorithm, developed by **Qsimov**, leading to two additional projects with our firm. Acquired knowledge: **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-scraping, 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,
Research Internship

Feb. 2022 – July 2022
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,
Summer Internship

July 2020 – Sept. 2020
Madrid, Spain

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

PERSONAL PROJECTS

VSPong

Jan. 2023 – Feb. 2023

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

EDUCATION



Polytechnic University of Madrid
Master in Artificial Intelligence

Sept. 2021 – July 2022
Madrid, Spain

- Graduated with a 9.22/10 score.



Autonomous University of Madrid, Higher Polytechnic School
Computer Science Degree

Sept. 2017 – May 2021
Madrid, Spain

- Graduated with a 8.95/10 score. Received honorary awards for 30% of credits and three Excellence Scholarships from the Community of Madrid.

SKILLS

Soft skills

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

HOBBIES

- 🎵 Piano & guitar
- ☕ Barista
- ♟ Chess

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