

Marcos Crespo

DATA SCIENTIST · AI ENGINEER

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Summary

Data Scientist and AI Engineer. I work with multimodal data and apply Artificial Intelligence to solve problems that provide real value. BS in Mathematics and MS in Statistics for Data Science. I have worked on statistical model development, real-time deep learning systems, and creation of multimodal AI agents. I enjoy projects where I can engage with cutting-edge technology.

Work Experience

Capgemini Engineering

Madrid

ASSOCIATE DATA & AI ENGINEER

2024 - Present

- Development of a multimodal agent for the detection of emergencies. Python, Transformers, ollama, Langchain, Chromadb, PyTorch, Ultralytics.
- Training an LLM from scratch for internal use based on BabyLlama. Linux, LLMs, PyTorch, Distributed Computing.
- Development of a solution for detecting anomalous traffic on UDP ports in near real-time using Deep Learning, obtaining a 95% recall. PyTorch, scikit-learn, matplotlib.

Deloitte

Madrid

INTERN

Feb. 2023 - May. 2023

- Data analysis and report generation using Python and SQL.

Education

Universidad Carlos III de Madrid

Madrid

MS IN STATISTICS FOR DATA SCIENCE

Sep. 2023 - Jun. 2024

- MS Thesis: "SFPLSIM model with MAR responses". Development of a new algorithm for handling missing responses in a functional data model. Grade: 9.5

Universidad Rey Juan Carlos

Madrid

BS IN MATHEMATICS

Sep. 2019 - Jun. 2023

- TFG: "Comparative study on K-Means algorithm in some metric spaces". Grade: 9.2

Skills

Python PyTorch, Langchain, transformers, scikit-learn, pandas, matplotlib, ollama, chromadb.

AWS AWS Certified - Solutions Architect Associate

Other Docker, git, R, Java, LaTeX

Languages Inglés C1, Español nativo

Other

Medium

Web

BLOG

2025

- Check out my [Medium blog](#), where I write AI-related articles and some of my experiences in the industry.

Portfolio

Web

GITHUB

2025

- This is my [GitHub portfolio](#), where I host my publications and personal projects.

CPMG

Madrid

GUITARIST

Sep. 2019 - Jun. 2024

- Graduated from the Professional Conservatory of Music in Guitar. Studies compatible with university studies on a yearly basis