DAVID PALOMERO MÉNDEZ

ABOUT ME

Computer Science Engineer and recent Master's in Visual Analytics & Big Data graduate, pivoting a solid background in database administration towards a Data & AI role. My academic focus, combined with hands-on personal project experience, has equipped me with advanced skills in AI, data pipelines, and cloud solutions.

Developed a multi-agent AI system using LangChain for my thesis, demonstrating expertise in cutting-edge NLP and generative AI. Continuously enhance my capabilities through personal projects on GitHub using Python, SQL, and cloud platforms (Azure/AWS).

My proven experience in ensuring data integrity, performance, and security provides a strong foundation for building robust data solutions. A proactive learner eager to contribute to innovative data and AI projects and deliver tangible value from day one.

LANGUAGES

Spanish: Native

English: C1 - Advanced Level

CONTACT

✉ David.palomero.1996@gmail.com

○ Palomero96

⊕ PersonalPage

in DavidPalomeroMendez

☎ +34 678303290

🗺 Las Rozas de Madrid

EXPERIENCE

AI Engineer, Sopra Steria

Mar. 2024 – Jun 2025

Development of a web application with a multi-agent system to assist with procedures of the Ministry of Foreign Affairs. This included:

- Data acquisition through web scraping techniques using Python.
- Data processing and storage of embeddings in Milvus vector database.
- Development of LLM agents using LangChain library (director agent, RAG agents).
- Creation of multi-agent LLM graphs using LangGraph library.
- Implementation of a graphical user interface using Streamlit.

System Database Administrator, IBM - KYNDRYL

Mar. 2021 – Now

Managed enterprise database infrastructure with focus on data governance, security, and automation. Core responsibilities included ensuring data integrity through backup/recovery protocols, administering secure data access, and developing automated scripts for system maintenance. Gained extensive experience with PostgreSQL, MySQL, Oracle and DB2, building a strong foundation in data management principles.

Technical Specialist, MASMOVIL

Nov. 2019 – Jul. 2020

Made an internship in MasMovil to complete my B.S. thesis project, in parallel with a collaboration with the university's Artificial Intelligence department. This included:

- Investigate different solutions to the attribution problem.
- Processing and analysis of data from Digital Marketing with Python and R.
- Develop an app with RShiny in order to apply the chosen attribution model and visualize the results.

EDUCATION

Dual Bachelor In Computer Science And Engineering (Specialized in Artificial Intelligence) And Business Administration

Sep. 2014 – Jul. 2020   Carlos III University of Madrid   **Grade:7.4/10**

Master in Visual Analytics & Big Data

Oct 2024 – Oct 2025   UNIR

Microsoft Certified: Azure Data Engineer Associate

Issued: Oct 2023

AWS Certified Cloud Practitioner

Issued: Oct. 2021

SKILLS

- **Programming:** Python (Pandas, NumPy, Scikit-learn, LangChain, Streamlit), R, SQL
- **Cloud & Big Data:** Apache Spark, Hadoop, Microsoft Azure, AWS, Google Cloud, Docker
- **Databases:** PostgreSQL, Oracle, DB2, MySQL, SQL Server
- **Data Visualization & BI:** Power BI, Tableau, Python (seaborn, matplotlib)
- **Data Management & Engineering:** ETL/ELT Processes, Data Warehousing, Data Modeling, Automation
- **AI:** Large Language Models (LLMs), Natural Language Processing (NLP), Generative AI, Machine Learning, Deep Learning