Alejandro Pérez Bueno

AI Architect

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Profiles

 madebypixel02

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Skills

GenAI Solutions

Web Development

Git

Data Analysis & Visualization

CLI Tools

Research

Teamwork

Languages

Spanish	English	German
Native	Expert	Medium

Certifications

B2 English Certificate
Cambridge
June 2016

A2 German Certificate
Goethe Institut
May 2019
🔗 https://www.goethe.de/en/index.html

Interests

Guitar	Athletics	Origami
Music	Sport	Hobby

Awards

Multi-Sports Coach
Kings Camps
August 2017
🔗 https://www.kingscamps.org/

Summary

I am a tech and AI enthusiast who is always excited to learn something new. I consider myself to be quite organized, and a good problem solver. I use Linux as my primary OS and love all things FOSS.

Experience

Telefónica de España S.A.   December 2023 - Present
AI Architect   Madrid
🔗 https://telefonica.com

Talentum Telefónica Internship   December 2022 - November 2023
Automation   Madrid
🔗 https://talentumtelefonica.com

GenAI Experience

Retrieval-Augmented Generation

Designed and co-developed a system capable of searching a vector database with complex data types in order to help users find precise information more quickly. Determined methods for testing ways to evaluate the performance of such RAG frameworks.

Agentic Frameworks

Experience with building AI solutions giving multimodal LLMs tools to perform tasks on behalf of users, such as calling enterprise APIs, searching the internet or connecting to RAG vector databases, among others.

ReAct prompting

Tested ways to increase LLM performance by having them iterating over their previous thoughts and correct themselves (Chain-of-thought, tree-of-thought, etc.)

LLM-agnostic tools

Co-developed ways of building GenAI solutions that are flexible and do not rely on a specific model or cloud.

Education

Universitat Oberta de Catalunya (UOC)   September 2022 - Present
Techniques for Software Application Development
🔗 https://www.uoc.edu
Online Bachelor's Degree

42 Madrid   February 2021 - December 2023
Software engineering
🔗 https://www.42network.org

Universidad Carlos III de Madrid (Uc3m)   September 2019 - July 2022
Degree in Data Science & Engineering
🔗 https://uc3m.es

IES Diego Velázquez   September 2017 - May 2019
High School (Excellence Program)

Projects

so_long | 42 Madrid
Classic Pac-Man in C
🔗 https://github.com/madebypixel02/so_long

minishell | 42 Madrid
Bash shell in C
🔗 https://github.com/madebypixel02/minishell

cub3D | 42 Madrid
🔗 https://github.com/madebypixel02/cub3d

Basic OOP Donkey Kong in Python | Uc3m
🔗 https://github.com/madebypixel02/Basic-OOP-Donkey-Kong-in-Python