# Pablo Sierra



PG in Generative Al and Applications (LLM) | BSc in Computer Engineer | BSc in Biotechnology

- in @pablo-sierra-fernandez
- @pablosierrafernandez

Link

□ pablosierr@hotmail.com

Madrid, Spain

A https://pablosierrafernandez.github.io/pablosierrafernandez/

■ Open to remote work

622 33 01 97

# Resume

Thinking of leaving my little mark on this world for others to benefit from. Passionate about new artificial intelligence and LLM applications. Constantly learning, exploring and making new projects.

## **Education**

Postgraduate degree in Generative AI and Applications (LLM) Since April 2024 Aceleradora Al Madrid

Double Degree in Computer Engineering and Biotechnology 2018 URV Tarragona

- ERASMUS in Institut National des Sciences Appliquées (Toulouse)
- Computer Science Specialization

Certificate of Higher Education in Clinical and biomedical diagnostic laboratory

2015 IES Moratalaz Madrid

# Work experience

Data Scientist Researcher

2023 Anaxomics Barcelona

Analysis of pharmacokinetic data, data mining, language models, NER models, database creation, normalization, standardization, update pipeline, predictive model creation...

Django Full Stack Development Instructor

2023 IP Informática Profesional Remote

Constructed a robust eCommerce platform, imparting hands-on experience in user authentication, product cataloging, shopping carts, and secure payment gateways.

Quantitative Analyst and Bot Programmer

From 2021 to 2023 Self-employed Remote

Creation of automated trading bots  $\Sigma$  Quantitative analyst for clients.

Private Lessons Teacher

2021 Self-employed Remote

Programming and computer classes for university students **Reviews** 

Chief Scientist

2016 CSIC (Consejo Superior de Investigaciones Científicas) Madrid Stay at CSIC (CIAL) developing my research project.

Awarded as 2nd best project by INJUVE.

See the paper here

# PlugTrader

Text-to-SQL

**Personal Projects** 

queries, then deliver insights.

PlugTrader allows users to create and deploy automated trading strategies on MetaTrader 5 without programming knowledge. It includes tools for strategy creation, validation, and portfolio management, with free and paid options.

DataWhisper: Agent-Based Architecture for

This project creates a system that converts natural language queries into SQL using an

intelligent agent architecture. The agents identify tables, generate, and run SQL

#### Web

# FARMACODB: Automation of Data **Extraction and Analysis**

Automating extraction and analysis of pharmacokinetic data to build a comprehensive database and predictive model for drug half-life.

Link

## Skills

### DevOps

AWS - Docker - Bash ...and more...

Langchain - TensorFlow - Pytorch - Pandas -Seaborn - scikit learn - AutoGen ...and more...

### **Programming Languages**

Python - C - C++ - Bash - Java - JavaScript ...and more...

# Frontend & Backend

**Django** - Vue.js - Bootstrap - HTML - NGINX -RabbitMQ - MySQL - PostgreSQL - Redis -SQLite ...and more...

Linux - Git - GitHub - Postman ...and more...

## **Hard Skills**

#### Enthusiasm to learn

+40 courses taken in UDEMY and currently continuing

Highly organized and people skills

# Languages

Spanish

Native

French

C1 (OLS) - B2 (DELF)

Enalish

B2

Catalan