

EXPERIENCE

CABILDO DE LA PALMA

Data Scientist

January 2024 – January 2025

- Development of ETL processes for data retrieval through APIs from various components of La Palma Smart Island project.
- Task automation using Python notebooks on the ArcGIS Online platform.
- Exploratory data analysis (Python, R) and dashboard design (Power BI, Tableau, ArcGIS Online).
- Data cleaning and normalization, preparation of on-demand reports on various metrics, and identification of patterns and correlations.

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Data Scientist

September 2024 – January 2025

- Collaboration with Filarmonía de Madrid during my master's final project.
- Development, evaluation, and comparison of different machine learning models for user segmentation and sales prediction based on real datasets.
- Provided insights by addressing specific stakeholder questions (Filarmonía de Madrid) and assessed the impact of external factors on their activities (competition, overlap with sports events, etc).

UNIVERSITY OF LA LAGUNA

BSc Physics Final Project

January 2021 – July 2021

- Analysis and parameterization of the intrinsic components of an astrophysical instrument (EMIR at GTC of IAC).
- Scripting (Python) to obtaining key instrument values based on calibration images.
- Preparation of documentation and technical project report.

SEGAI internship (General Research Support Service)

September 2018 – January 2019

- Preparation of material samples and measurement using X-ray diffraction.
- Preparation of material samples and observation under electron microscopy.
- Preparation of result reports for service users.

ADDITIONAL EXPERIENCE

Tutor

September 2017 – July 2018

- Tutoring sessions tailored to student needs in physics, mathematics, and chemistry at various secondary education levels.
- Development of personalized notes and sample exercises based on student requirements.

EDUCATION

UNIVERSITAT OBERTA DE CATALUNYA - MSc in Data Science and Big Data

January 2025

UNIVERSITY OF LA LAGUNA - BSc in Physics

July 2021

ADDITIONAL INFORMATION

Technical Skills: Proficient with Python (Numpy, Pandas, Scipy, Matplotlib, Seaborn, Plotly, Pytorch, Scikit-Learn, TensorFlow). Skilled in R (dplyr, tidyverse, ggplot2, caret) and SQL (PostgreSQL). Competent in developing dashboards with Power BI and Tableau. Strong command of LaTeX, with solid knowledge of Excel and QGIS. Familiar with ArcGis Online environment.

Languages: Spanish (Native), English (Fluent)

Relevant courses:

- Coursera – Google Data Analytics.
- Udemý – TensorFlow for Deep Learning.
- Udemý – Python for Data Science and Machine Learning.
- FEMXA – Data minning and Business Intelligence.