

Miguel Claramunt Argote

Data Scientist with experience in consulting projects for the finance sector. Focused on delivering results and adding value to the final product; skilled at both technical and operational optimization. Eager to develop Deep Learning applications avoiding potential biases.

WORK & RESEARCH EXPERIENCE

Research Engineer Nov 2024 – Present
Barcelona Supercomputing Center *Barcelona, ES*

Data Analyst Sep 2023 – Apr 2024
SDG Group *Barcelona, ES*

Developed data-driven solutions for a Spanish leading banking firm, enhancing actuarial and organizational decision-making through cross-functional collaboration.

- Maintained an internal application serving up to 40k daily users using Qlik Sense, which required near real-time updates for processing ~10k records per hour.
- Supported clients and products through customized data pipelines, using Oracle Data Integrator and SQL to integrate different data sources with ~500k monthly records.
- Identified inefficiencies on client's internal tool, reducing costs by ~20k monthly, leveraging potential contracts and improving consulting firm's value proposition.
- Applied Agile development life cycle within two teams of 6 and 8 developers.

Undergraduate Research Assistant Apr 2022 – Jul 2022
Intelligent Data Analysis Laboratory (IDAL) – Universitat de València *València, ES*

Constructed end-to-end applications to tackle fake news classification using stylistic features. This research was part of REMISS project, led by Eurecat.

- Researched and constructed datasets, evaluating different text typologies to maximise classification performance: ~500k tweets and ~50k news articles.
- Designed a comprehensive text preprocessing pipeline using scikit-learn, NLTK and spaCy, enabling scalability to process 5x more documents.
- Evaluated different techniques for document classification: sparse and dense (embedding). Achieved an F1-Score of up to 77% using embeddings.

EDUCATION

Master in Intelligent Interactive Systems 2024 – Exp. 2025
Engineering School – Universitat Pompeu Fabra *Barcelona, ES*

Bachelor of Science in Data Science 2019 – 2023
School of Engineering – Universitat de València *València, ES*

- Thesis: “Fake News Detection using Natural Language Processing”, supervised by *Dr. Joan Vila Francés*.

Academic Exchange Program (SICUE) 2022 – 2023
Engineering School – Universitat Pompeu Fabra *Barcelona, ES*

PERSONAL PROJECTS

Mercadona Price Tracker – Python

Mar 2024 – Present

Developing a full-stack application to gather data from Mercadona's Online Shop API and visualize the price evolution of different products using dashboard tools.

- Daily extraction of ~5k unique items & custom processing for reducing writes on database.

VOLUNTEERING ACTIVITIES

Juniors Santa María de Jesús

2017 – 2022

Juniors Moviment Diocesà

València, ES

- Coordinated a 9-monitor team for 2 years to conduct weekly activities for up to 20 children.
- Coordinated an 11-day summer camp with a 14-monitor team and 50+ children.
- Created a social media communication plan & brand identity re-design, resulting in a weekly posting schedule and a 45% increase in reach.
- Streamlined several areas such as financial, management, PR and internal communication, allowing a workload reduction of up to 50%.

AWARDS

Data Visualization Award

Jun 2021

Chair of Gamification and Open Government of València

Demo, in Spanish

Waste disposal availability study in València & App development aimed at publicizing city's underused areas using GIS software.

LANGUAGES

- **Spanish:** *Native proficiency*
- **English:** *Full professional proficiency*
- **Catalan:** *Professional proficiency*