

Fernández Román, Joel

Data Scientist | Data Engineer | Software Developer



SUMMARY

I work with Python on data science and machine learning projects, mainly focusing on data preprocessing, feature engineering, and model development.

I'm motivated by real-world applications where data can lead to meaningful insights or impact.

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in: [Joel Fernández Román](#)

Experience



Feb 2025 – *present*

Data Engineer at MiceLab - Universitat de Girona

SUMMARY

Data engineering and software development in the MiceLab research group, focused on ETL, data modeling, and standardization. Two main projects were developed and presented as part of my Master's Thesis.

- Designed and developed a modular Python library to support research workflows with tools for preprocessing, visualization, and report generation.
- Led the development of a data ingestion framework to standardize heterogeneous diabetes-related datasets into a unified structure for consistent analysis.

Feb 2023 – Jul 2024

Junior Data Scientist at mjn-neuro

SUMMARY

Software development in Python, focused on data analysis and training of artificial intelligence algorithms.

- Developed a GUI application for the [VISOR Project](#), handling real-time brain signal input from a wearable device.
- Algorithm developer in SERAS, focused on real-time evaluation.

Education



Oct 2024 – Jul 2025

**Master's Degree in Master's in Data Science and Artificial Intelligence
from Universitat de Girona**

- Machine Learning (9.1)
- Data Acquisition & Preparation (9.5)

Sep 2019 – Jun 2023

**Bachelor's Degree in Computer Science
from Universitat de Girona**

- My Bachelor's Thesis, titled 'Collection and Analysis of Financial Information for Stock Market Performance Prediction,' received a grade of 9.49.

Languages



Spanish : Native

English : Intermediate (B2)

Skills



Python : ★★★

Software architecture

Software design patterns NumPy

Pandas PyTest

Machine Learning : ★★★

Exploratory Data Analysis

Supervised Learning

Unsupervised Learning

Data Preprocessing

Data Engineering : ★★★

ETL Data Modeling Flask Fast API

Docker Pydantic SQL Databases

Documentation : ★★★

Technical Documentation Latex

MkDocs

Soft Skills : ★★★

Teamwork Public Speaking

Interests



Studies :

Finance Stock Market