

# Fernández Román, Joel

Data Scientist | Data Engineer | Software Developer



## SUMMARY

I am a computer engineer with a special interest in data science, statistics, and artificial intelligence. I have a passion for stock analysis, risk management, and portfolio theory, with solid software development skills, especially in Python.

✉: [joel.fernandez.roman@gmail.com](mailto:joel.fernandez.roman@gmail.com)

🏠: <https://joelfernandezroman.github.io/>

in: [Joel Fernández Román](#)

## Experience



Feb 2023 – Jul 2024

**Data Engineer Jr. at [mjn-neuro](#)**

### SUMMARY

Software development in Python, focused on data analysis and training of artificial intelligence algorithms. Actively participated in MJN's main project.

- Lead developer for the VISOR graphical application (backend & frontend), responsible for managing Bluetooth connections and data logging via Bluetooth.
- VISOR Project: [https://www.iiia.csic.es/en-us/research/project/?project\\_id=234](https://www.iiia.csic.es/en-us/research/project/?project_id=234)
- Algorithm developer for the runtime functionality in SERAS (<https://mjn.cat>), specializing in real-time evaluation of the algorithm and managing mobile alerts in cases of epileptic seizures.

Jun 2022 – Sep 2022

**Cashier and Stocker at Mercadona**

Jun 2021 – Aug 2021

**Cashier at Mercadona**

Jun 2020 – Sep 2020

**Restaurant Waiter at Marsol Hotels & Resorts**

Jun 2019 – Sep 2019

**Restaurant Waiter at Marsol Hotels & Resorts**

## Education



Oct 2024 – Jun 2025

**Master's Degree in Master's in Data Science and Artificial Intelligence**  
from Universitat de Girona with GPA of In progress

Sep 2019 – Jun 2023

**Bachelor's Degree in Computer Engineering**  
from Universitat de Girona with GPA of B

## Languages



**Spanish :** Native  
**English :** Intermediate

## Skills



**Python :** ★★★

Data Analysis ETL Machine Learning

Object-Oriented Programming (OOP)

NumPy Professional documentation

Unit Testing

**Machine Learning :** ★★☆☆

Exploratory Data Analysis

Supervised Learning

Unsupervised Learning

Data Preprocessing

**Data Engineering :** ★★☆☆

ChatGPT/Gemini Integration for ETL

Data Extraction and Transformation (ETL)

Flask API SQL Databases

**Web Development :** ★★☆☆

Javascript / VUE CSS HTML

**LaTeX :** ★★☆☆

Technical Documentation Presentations

**Soft Skills :** ★★★

Teamwork Public Speaking

Interests



Sports :

Formula 1

Studies :

Finance Portfolio Management

Stock Market

Games :

Chess