






# Erik Martori López



## Data Scientist | Machine Learning Engineer

I am a passionate and motivated professional with a strong ability to learn quickly and thrive in dynamic environments. Skilled in python, data science, and software development, with a proven track record of leveraging (Gen) AI to create value. Committed to delivering high-quality results and contributing to team success through a proactive, pragmatic, and solution-oriented approach.

## Contact

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 [github](#)  
 [kaggle](#)

## Education

### MASTER'S IN MATHEMATICS (1,7)

TUM, Munich  
2020

### BACHELOR'S IN MATHEMATICS AND PHYSICS (8.4/10)

UB, Barcelona  
2018

## Libraries

pandas, numpy, torch,  
pyspark, pydantic,  
sklearn, langchain,  
haystack-ai, spacy, nltk,  
transformers, hf, mlflow,  
opency, shap, lime,  
networkx, streamlit,  
seaborn

## Work Experience

### SENIOR DATA SCIENTIST MUNICH RE July 2023 – currently

#### Lead Developer

Classification of claims documents into topics with NLP, ML, LLMs, python, spark.  
Average of F1 = 0.85 over all topics → automatic document routing depending on model prediction.

#### Product Owner

Attribute Extraction from adjuster reports with LLMs, python, spark.  
75-95% accuracy → automatic attribute extraction → much better data quality.

### (SENIOR) DATA SCIENTIST METAFINANZ GMBH October 2020 – June 2023

#### Lead Developer

Conception, data selection, development, deployment, monitoring and improvement of Machine Learning projects for Allianz.

- Personalized price calculation of car insurance.
- Identification of shared liability in car accidents.
- Candidate search engine for a given job position in consultancy.

### SOFTWARE DEVELOPER SIEMENS September 2019 – October 2020

#### Working student

Preparation of python seminars  
Development of tool with UIPath and Selenium to scrap weather data

## Languages

Spanish

Catalan

German (C1-C2)

English (C1)

Italian (B1)

### **ML ENGINEER** VESTERLING

September 2018 – September 2019

#### **Working student**

Development of an algorithm in python to match CVs with open job positions.

Development of an ETL in C# to maintain two SQL databases up-to-date

### **SOFTWARE DEVELOPER** PROCEEDIT

August 2016 – September 2018

#### **Freelancer**

Development of an internal CRM tool in C# that is connected to a mySQL database and a PHP server to render the data in the browser.