Gabriele Moro

📍 Milan   ✉ gabrimoros@gmail.com   📞 +39 331 347 48 10   in gabrielemoro-   ⊙ Voltagabbana

Overview

I am a Data Scientist with a strong mathematical background. My skill set spans from classical Machine Learning techniques to state-of-the-art AI solutions, enabling effective problem-solving in collaborative environments. In my free time, I enjoy sports, traveling and playing chess.

Experience

AI Scientist   *Milan, Italy*
Gi Group Holding   *May 2024 – Present*

- Conducted the extension of the Smart Matching project from Italy to Portugal, Spain and Poland (SQL database extraction, document embedding, fine-tuning)
- Benchmark of Python libraries for data management; leading to the replacement of portions of the codebase from Pandas to Polars (Gitlab collaborative coding, python package creation, object oriented programming)
- Evaluation of job-employee matching through LLM locally and using external APIs
- Presented project outcomes to colleagues and stakeholders, translating business needs into technical solutions

Key words: Azure, Cloud Computing, Git, Python, LLMs, Embeddings, Recommender Systems, fine-tuning, NLP, Machine Learning, CUDA, Clustering, Data Engineer, Data Visualization, Business Processes

Teaching Assistant, Mathematical Finance   *Milan, Italy*
Politecnico di Milano   *Oct 2023 – Dec 2023*

Interacting with the students, managing the forum, correcting the weekly assignments

Education

Politecnico di Milano, *MSc in Mathematical Engineering - Statistical Learning*   *Sep 2021 – July 2024*

- Final grade: 107/110
- **Coursework:** Applied Statistics, Algorithms and Parallel Computing, Real and Functional Analysis (Courses in detail ↗)

OVGU Magdeburg, *Erasmus Programme*   *Sep 2022 – Feb 2023*

- **Coursework:** Deep Learning, Bayesian Networks, Machine Learning

Politecnico di Milano, *BSc in Mathematical Engineering*   *Sep 2018 – Sep 2021*

- Final grade: 96/110
- **Coursework:** Mathematical Analysis, Physics, Probability (Courses in detail ↗)

Publications

Master's thesis: July 2024
"Graph neural network pipeline for unsupervised clinical document analysis"
Gabriele Moro, Vittorio Torri, Francesca Ieva
Thesis and Executive Summary ↗ github.com/GNNs-for-clinical-documents-clustering ↗

Highlighted Projects

Myocardial Infarction Prediction   *github.com/Infarction-Prediction ↗*
Group project of the master course "Statistical Learning for Healthcare Data": data cleaning on real-world data and applied Random Forest to predict myocardial infarction of the patients.

Zoppis Order Automation   *github.com/ZOPPIS ↗*
Order automation for "Zoppis Food and Beverages" using LLM and RAG with the aim to automatize the manual insertion of the orders coming from various sources.

Skills

Programming Languages: C++, C, Python, R, MATLAB, SQL, GAMS, MPI, AMPL
Technologies: Azure, Git, Excel, Latex, Hugging Face, Docker, Qdrant, Linux, RegEx, CUDA
Languages: Italian: native, English: professional, Spanish: intermediate, French: beginner