PAOLO VERGOTTINI
Mathematical Engineer

Contacts

- Milan, Italy
- +39 3487580405
- paolo.vergottini@gmail.com
- paolo-vergottini-934015187
- github/paolo-vergo
- paolo-vergo.github.io/portfolio/

Languages

- **ITALIAN** - Native speaker
- **ENGLISH** - Advanced - C1 IELTS
- **GERMAN** - Basic - A2 ÖSD

Hard Skills

- **Languages**: Python, Java, R, C++, Bash
- **Version Control**: Git
- **LLM Tools**: Langchain, Huggingface, Ollama
- **DBs**: MongoDB, SQL, Neo4j
- **Containerization**: Docker
- **Big Data** : Spark, Kafka, Hive
- **Others**: Matlab, Office Suite

Volounteering

- Scout leader (AGESCI)
- Erasmus volounteer (ESN Polimi)

Work Experience

Whitehall Reply | Senior ML Engineer & Project Manager
2024 – now

- **Led** cross-functional teams of up to 8 engineers in delivering machine learning projects, managing all phases of the **project lifecycle**, from initial pitching to final delivery
- Co-led an internal **R&D** lab focused on developing a reusable chatbot LLM asset, used by internal departments
- Oversaw **staffing** for 14 team members across up to 6 concurrent projects and analyzed project **budgets** over time to provide informed updates to management

Whitehall Reply | Junior Data Scientist
2022 – 2024

- Developed a **chatbot using LLMs** that enables non-technical users, particularly executives from the Ministry of Finance, to access complex data through natural language queries
- Performed time series analysis for **fault detection** in the Italian Customs Agency's systems, utilizing LSTM neural networks to proactively identify and prevent system failures

Education & Certifications

Msc. Mathematical Engineering - Statistical Learning
Politecnico di Milano | 2019 – 2022
Final Mark: 110/110 cum laude

Thesis: Developed R packages for Conformal Prediction and authored a related paper

Bsc. Mathematical Engineering
Politecnico di Milano | 2016 – 2019
Final Mark: 101/110

Erasmus +
Technische Universität Wien - Vienna | 2018

Generative AI with LLMs certification
Deeplearning.ai | 2023

MLOps Specialization certification
Deeplearning.ai | 2024