

PAOLO VERGOTTINI

Mathematical Engineer

Contacts

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-  [github/paolo-vergo](https://github.com/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
- **ML Tools:** Langchain, Huggingface, Ollama, Mediapipe
- **DBs:** MongoDB, SQL, Neo4j
- **Containerization:** Docker
- **Big Data:** Spark, Kafka, Hive
- **Others:** Matlab, Office Suite

Volunteering

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

Work Experience

Whitehall Reply | Senior ML Engineer

2025 - now

- Led **AI governance** for both the company and clients, integrating EU AI Act principles into development and risk assessment
- Led the development of a **text-to-italian sign language** innovative ML pipeline, using **pose estimation** and **diffusion models**

Whitehall Reply | Project Manager

2024 - now

- **Led teams of up to 10 engineers** through ML projects **lifecycle**, from pitching to delivery, budgeting, and resource allocation.
- Co-led an **R&D lab** that developed a reusable chatbot LLM asset.

Whitehall Reply | Data Scientist

2022 - 2024

- Built **LLM chatbot** to allow non-technical users at the Ministry of Finance to query complex data via natural language.
- Applied **LSTM** models for **time series**-based **fault detection** in Italian Customs systems, to predict and prevent 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

MLOps Specialization certification

Deeplearning.ai | 2023-2024

Ethics of AI

London School of Economics (LSE) | 2025