

Valerio Valente

Medior Data Scientist

E-mail: valeriovalente96@gmail.com | **Personal Website:** <https://valeriova96.github.io>

LinkedIn: <https://www.linkedin.com/in/valerio-valente-222382190/Experience>

Data Scientist (InSilicoTrials Technologies SpA)

April 2024 – current

- Deployed and monitored ML models using Azure Machine Learning suite; implemented end-to-end MLOps pipelines.
- Developed transformer-based models for clinical datasets, improving patient care insights.
- Designed robust model monitoring pipelines, enhancing accuracy and reliability.
- Conducted technical interviews and mentored team members on ML best practices.

Data Scientist (Miraitek srl)

September 2023 – April 2024

- Built a RAG-based retrieval agent using AWS and LLMs to streamline document analysis workflows.
- Identified 7% inefficiencies in manufacturing processes via Python-based pattern recognition algorithms.
- Delivered BI dashboards using Apache Superset and SQL, driving operational efficiency for clients.

Achievements

- **Finalist of HUAWEI Seeds For the Future program** November 2021
 - Collaborated in a cross-functional team of 5, representing Italy in the global Tech4Good final.
 - Developed a comprehensive business plan with a focus on tech innovation, budget analysis, and investor engagement.
- **Certifications available on my [LinkedIn](#) profile (all related to ML and Data Science)**

Education

Master of Science in Engineering in Computer Science (Sapienza University)

January 2023

Major: Computer Science | Minor: Data Science & Machine Learning

- Thesis: *NLP for Integrity on Social Platforms* (collaboration with **ex-Meta researcher**).
- Achieved +15% accuracy improvement using meta-learning techniques over traditional approaches.

The whole project is available on my [website](#).

Bachelor of Science in Software Engineering (Roma Tre University)

December 2019

Major: Engineering | Minor: Computer Science