

Valerio Valente

DATA SCIENTIST

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Junior Data Scientist (Miraitek s.r.l.)

Currently

As a Junior Data Scientist at Miraitek, I leverage my analytical skills to extract valuable insights from datasets, aiding the company in making informed decisions for system enhancements. Currently, I am responsible for managing data for two key clients:

1. Manufacturing Client:
 - Analyzing data collected from manufacturing implants to identify areas for improvement in machinery.
 - Forecasting potential threats related to delays by recognizing patterns in proprietary API data.
 - Utilizing Python to develop algorithms for pattern recognition.
2. Sportswear Client (Swimsuit Production):
 - Producing insightful analyses for a client in the sportswear market, specifically focusing on swimsuit production.
 - Leveraging Business Intelligence tools, particularly Apache Superset, to visualize and communicate data trends.
 - Executing SQL queries to extract relevant information from the database.

My role involves not only technical proficiency but also effective communication of findings to guide strategic decisions. This experience has honed my skills in data analysis, algorithm development, and collaboration with cross-functional teams.

NLP For Integrity on Social Platforms (Research Project)

January 2023

Developed a learning model able to classify social media posts compliancy with respect to a specific policy. To achieve this, I:

- Had my hands on a cutting-edge research topic (MAML – meta learning).
- Used advanced deep learning architectures such as BERT.
- Employed research papers' techniques like the Attention Mechanism.
- Wrote code using the following language and libraries: Python, PyTorch, Pandas, NumPy.

This allowed me to obtain 0.75% accuracy on a wide set of mixed policies and posts. The whole project is available on my [website](#).

Achievements

Finalist of HUAWEI Seeds For the Future program

November 2021

The program consists of webinars on technology, leadership, entrepreneurship, and Chinese culture, at the end of which a Tech4Good project must be developed. Only 50 students per country are selected (acceptance rate 0.5%) and split in teams of 5. My team and I were the only 5 Italians who gained the access to the final. My role in the competition was:

- Develop the mock-up of our application exploiting UX/UI methodologies.
- Develop the business plan investigating budget, competitors, and investors.

Minor: Computer Science

Education

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

January 2023

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

Bachelor of Science in Software Engineering (Roma Tre University)

December 2019

Major: Engineering | Minor: Computer Science

Skills

Python and data science libraries (Pandas, NumPy, PyTorch, Matplotlib), SQL, Apache Superset (BI), Git., Object Oriented Programming.