Gabriele Rizzitiello

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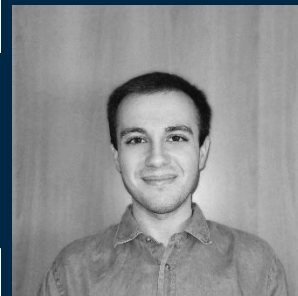
▼ Technical Skills

- **Programming Languages:** C, C#, Java, JavaScript, Python, TypeScript, SQL, Ocaml
- **Frontend & Web**: HTML, CSS, Angular.js, NodeJS
- **Big Data & Data Engineering**: Apache Spark, Apache Hadoop, Apache Hive, Apache Kafka, Neo4j
- **Machine Learning & AI**: PyTorch, TensorFlow, Scikit-learn, NumPy, Pandas
- **Framework & Tools**: Spring, LaTeX, Matplotlib

▼ Education

2022/2023 - present

Master's degree in Data Engineering – Roma Tre University

Here some of relevant projects completed during my studies about *Information Visualization, Deep Learning, Data Engineering and Big Data*, developed in teams and in collaboration with leading institutions. Working with Prof. Patrizio Angelini of John Cabot University of Rome, I co-designed **'ECHOgraph' a tool that reveals biased relationships and character viewpoints** in novels, screenplays, and films, introducing new visualization metaphors, with also building a dedicated dataset based on the '*Lost*' series for testing. I also developed a **ML project about classification of variable stars** from astronomical observation data (dataset reference) and created an **LLM/NLP pipeline** to automatically extract and analyze claims and tables from scientific papers.

Currently co-working and completing two ongoing projects: **(1)** image segmentation of advertising banners in football match footage leveraging DINOv3; and **(2)** designing a model lake-inspired management tool called **'Model HERITAGE'** to capture, retrieve, and govern model lineage (based on fine-tuning). I also have completed all courses and am currently in search for selecting my thesis topic to finalize my MSc.

- github.com/gabrulele

2019/2020 - 2022/2023

Bachelor's degree in Computer Engineering – Roma Tre University

- BSc Thesis – "*Management and Control Console for Fuel Depots and Filling Stations: G-Stations*"
  Conducted in collaboration with **Archeometra Srl**. Designed and developed a **web-based management and control console** tailored for system administrators and depot managers, enabling supply request handling, operational management, and real-time monitoring of fuel depots and refueling stations. The solution was aimed at **streamlining internal workflows** and **enhancing operational efficiency** within large-scale companies in the energy sector.

- **"Roma Tre University Merit-Based Award for Academic Achievement (2021/2022)"**, during 2022/2023 academic year

2014/2015 - 2019/2020

High School leaving qualification in scientific studies – Evangelista Torricelli High School, Rome

- "*Cultural Integration with English Language Programs*" – exchange experience at "St. Mary's Academy" in Carlow, Ireland
- "*Media art festival 2018 HACKATHON*" – **Victory in the team competition** "Art Spatial HACKATHON" at MAXXI National Museum in Rome. Link event on youtube

▼ Work experiences

Internship at Archeometra srl for the BSc thesis *(6 months in 2023)*
Math, Physics and English language tutoring *(2019 – present)*
Organizer and animator at "Summer and Sports center S.M.D.G" , Rome *(2016 – 2019)*
Ball Kid (selected via try-outs), Internazionali BNL d'Italia (ATP Masters 1000), Rome *(2015–2018)*

▼ Languages

Italian: mother tongue - English: intermediate-advanced level - Spanish: scholastic level

▼ Softskills

Teamwork, public speaking, problem solving, motivation and goal orientation, attention to detail

▼ Personal information

Date of birth: 05/01/2001 - Rome   **Address:** 78 via F.M. Torrigio 00168, Rome - Italy   **Driving license:** AM - B