Davide Morgante

▬▬▬ Personal Information

Mobile	+39 3936306114
E-mail	davide.morgante96@gmail.com
Date of Birth	February 22, 1996
Place of Birth	Rome, Italy

▬▬▬ Career Interests

Ph.D. in Theoretical Physics with solid international academic experience and a strong interest in roles in **AI, Machine Learning, and Data Science** within international business contexts. During my Ph.D. and academic career, I developed advanced skills in mathematical modeling and programming, acquiring valuable tools for solving complex problems. Motivated to apply these abilities to business challenges, I am available for frequent travel and to contribute to dynamic teams.

▬▬▬ Education

2021-2024 **Ph.D**, *University of Milan Statale*, Milan, Italy

Title Modern Topics in Supersymmetry

Description Ph.D. in Theoretical/Mathematical Physics on formal aspects of Quantum Field Theories.

2020 **Excellence Program**, *University of La Sapienza*, Rome, Italy

Description Supplementary educational program for the development and training of outstanding students interested in advanced activities.

2019-2021 **Master's Degree in Theoretical Physics**, *University of La Sapienza*, Rome, Italy

Title Unitarity triangle analysis and recent theoretical advancements on ϵ'/ϵ

Grade 110/110 cum laude

Description Master's degree in Theoretical Physics specializing in high-energy physics, experimental methods, and computational techniques.

2016-2019 **Bachelor's Degree in Physics**, *University of La Sapienza*, Rome, Italy

Title Semiclassical transition amplitudes

Grade 110/110 cum laude

Description Bachelor's degree in General Physics.

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🌐 *davidemorgante.github.io* • **in** *davide-morgante*   *1/2*

Professional Experience

2022-2024   **Tutor**, *Mathematical Methods for Physics*, University of Milan Statale, Milan
Tutor for the course "Mathematical Methods for Physics" for second-year Bachelor's degree students in Physics.

2022-2024   **Instructor**, *Introduction to Mathematics*, University of Milan Statale, Milan
Mini-course (5 lectures) on mathematical analysis for first-year Bachelor's degree students in Physics.

Technical Skills

Programming
- **Excellent knowledge** of Mathematica, gained during my Ph.D.
- **Very Good knowledge** of C++, Python, and R, developed during university coursework and thesis work.

Other   Basic knowledge of HTML, CSS.
Libraries   ROOT, Geant4.
Writing   Office Package, LaTeX.

Languages

Italian   Native Speaker
English   Advanced, equivalent to C1 level
French   Basic, equivalent to A1 level

Academic Career

Highlights
- 7 publications in international journals (JHEP, SciPost Phys., Nuclear Phys. B).
- Participation in 13 international conferences (Canada, Switzerland, Germany, Spain).
- 7 oral presentations at specialized seminars in national and international institutions.
- Attendance at 5 international schools.

Soft Skills

- Communication
- Time Management and Teamwork
- Analytical Skills
- Problem Solving
- Assertiveness

Personal Interests

- Classical piano and self-taught guitar
- Electronics and DIY
- Literature

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