



Daniele Gregori

Researcher, teacher
and software developer

-  21 November 1992
-  Brescia, Italy
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About me

Freelance software developer and data scientist. Building deterministic and machine learning algorithms to analyze and handle deep data.

Formerly postdoctoral researcher in theoretical physics, studying new mathematical methods to empower the search of new physics.

Experience in scientific research, academic writing, teaching, public speaking, programming, software development, data science, computational language design.

Skills

Mathematical Research

Academic Writing

Seminars & Outreach

Academic Teaching

Development & Data Science

(*)[The skill scale is from 0 (Fundamental Awareness) to 6 (Expert).]

Education

- 2014-2018 University of Bologna Master of Science
Master degree in Theoretical Physics with grade 110 cum laude/110.
- 2011-2014 University of Bologna Bachelor of Science
Bachelor degree in Physics with grade 110 cum laude/110.
- 2006-2011 Liceo Scientifico Leonardo, Brescia High School
Scientific high school completed with grade 98/100.
- 2003-2010 Music Conservatory Luca Marenzio, Brescia Conservatory
First level (5th year) piano degree completed with grade 8.6/10.

Research Experience

- 2024 (8 m.) Institute for Advanced Study, Soochow University Postdoc Researcher
Suzhou, China. Referee: Prof. Rui-Dong Zhu.
- 2023 Nordic Institute for Theoretical Physics Postdoc Researcher
Stockholm, Sweden. Referee: Prof. Konstantin Zarembo.
- 2021 (6 m.) Nordic Institute for Theoretical Physics Ph.D. Visiting Fellow
Stockholm, Sweden. Hosts: Prof. K. Zarembo, Dr. H. Shu.
- 2018-2022 University of Bologna Ph.D. Candidate
Ph.D. in Mathematical Physics. Advisor: Prof. Davide Fioravanti.

Teaching Experience

- 2022-2026 University of Bologna Teaching Assistant
10+ courses: lin. algebra, calculus (I,II), physics (I,II,modern), math. physics III, math. methods for AI, to bachelor and master students.

Development Training

- 2025 (7 m.) Imperial College London Certificate
Professional Certificate in Machine Learning and AI.
- 2024 (2 m.) Wolfram Research Certificate
Neural Networks Bootcamp.
- 2022 (2 m.) Wolfram Research Certificate
Data Science Bootcamp.

Development Experience

- 2025-2026 Datalogos Freelance Developer
Freelance data scientist, software and web developer.
- 2024-2026 Wolfram Research Software Contributor
Development of 10+ Wolfram resource functions and paclets.
- 2022-2023 Scriba Brescia Data Scientist
Scientific advisor and data scientist (part-time).

Other Information

Awards: Best Poster Award at international workshop Integrability in Gauge and String Theory 2022 (Budapest, Hungary).

Contests: Physics Olympiad National Qualifier (2011, Senigallia, Italy).

Grants: Angelo della Riccia Foundation research fellowship 2023 (19,000 €).

Publications: 6 academic publications with over 150 total citations: Inspire HEP.

Programming: Extensive programming experience in Wolfram Language, good knowledge of Python, C++, SQL, TeX: github.com/Daniele-Gregori.

Public speaking: 18 talks and 6 posters presented at international scientific conferences, workshops and meetings.

Languages: Fluent English and Italian, fundamentals of Arabic and German.

Outreach: Contribution to the book "From Lab to Life" (Beyond Science Magazine).