



# Daniele Gregori

Researcher, teacher  
and software developer

-  21 November 1992
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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.

## 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.
- 2015-2018 Private Teaching Private Teacher  
Teacher of math and physics to high school and bachelor 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).

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](https://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.

Music: 5th year piano degree (g. 8.6/10) at Conservatory Luca Marenzio, Brescia.

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