



# Daniele Gregori

Researcher, teacher  
and software developer



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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.

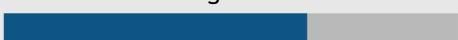
Substantial experience in scientific research, academic writing, teaching, public speaking, programming, software development, data science.

## Skills

Mathematical Research



Academic Writing



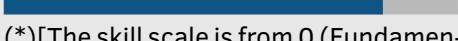
Seminars & Outreach



Academic Teaching



Development & Data Science



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

## Scientific 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	Scientific High School Leonardo, Brescia	High school
Completed with grade 98/100.		

## Research Experience

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

## Teaching Experience

2022-2026	University of Bologna 10+ courses: lin. algebra, calculus (I,II), physics (I,II,modern), math. physics III, math. methods for AI, to bachelor and master students.	Teaching assistant
2015-2018	Private teaching Teacher of math and physics to high school and bachelor students.	Private teacher

## Development Training

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

## Development Experience

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

## 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 scientific publications with over 150 total citations: Inspire HEP.

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

Programming: Extensive programming experience in Wolfram language, good knowledge of C++, Python, SQL, TeX, HTML, CSS: [github.com/Daniele-Gregori](https://github.com/Daniele-Gregori).

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

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