



Daniele Gregori

Researcher, teacher
and software developer



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Brescia, Italy



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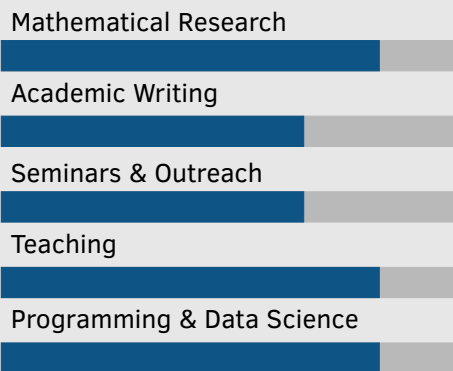
About me

Software developer, data scientist and entrepreneur. Building algorithms and neural networks to analyze and use big and deep data.

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

Extensive experience in programming, scientific research, academic writing, teaching, conference speaking and science outreach.

Skills



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

Interests

1. Data science, software development and entrepreneurship.
2. Academic research and teaching in physics, math and computer science.

Education

2025-Now	Imperial College London	Executive Education
	Professional Certificate in Machine Learning and Artificial Intelligence.	
2018-2022	University of Bologna	Doctor of Philosophy
	Ph.D. in Mathematical Physics. Advisor: Prof. Davide Fioravanti.	
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.	

Academic Research Experience

2024	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	Nordic Institute for Theoretical Physics Stockholm, Sweden. Hosts: Prof. K. Zarembo, Dr. H. Shu.	Ph.D. visiting fellow

Software Development Experience

2025-Now	Datalogos	Chief Technical Officer
	Data scientist, software developer and entrepreneur.	
2024-Now	Wolfram Research	Contributed software
	Development of several Wolfram resource functions and a paclet.	
2022-2023	Scriba Brescia	Data scientist
	Advisor and data scientist.	

Teaching Experience

2022-Now	University of Bologna	Teaching tutor
	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.	

Other informations

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 Fellowship 2023 (19,000 €).

Publications: 6 scholarly publications with over 100 total citations: <https://scholar.google.com/citations?user=pGO-dK8AAAAAJ&hl=en>.

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

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

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

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