Stefano Lanza

Theoretical Physicist, Ph.D.



About me

I am a Theoretical Physicist, working in forefront research of String Theory and Quantum Gravity, employing Advanced Mathematics and Machine Learning techniques to uncover the mysteries of our Universe

Personal

Name: Stefano Surname: Lanza (He/him) Nationality: Italian Born on September 18, 1992

Areas of specialization

String Theory · Quantum Gravity · General Relativity Differential Geometry · Data Science · Machine Learning · Deep Learning

Interests

Philosophy · History of Science · Geopolitics

Contacts



🔽 University email



DESY email

Useful links



Webpage



in Linkedin



G GitHub





Work Experience

Research Assistant in Theoretical Physics and Machine Learning 2023-current

University of Hamburg, Germany ?



2020-2023 Postdoctoral Researcher in Theoretical Physics

Utrecht University, the Netherlands ?



2020 Postdoctoral Researcher in Theoretical Physics

Harvard University, Cambridge, Massachusetts, USA ?



EDUCATION

2016-2019 Ph.D. in Theoretical Physics

Specialization: String Theory University of Padova, Italy

Thesis: Exploring the Landscape of effective field theories

2014-2016 Master's Degree in Theoretical Physics



Thesis: Renormalizability and finiteness of nonlocal Quantum Gravity



2011-2014 **Bachelor's Degree in Physics**

GRADE: 110/110 CUM LAUDE · University of Pisa, Italy in

Thesis: Path integral formulation of density matrices



CERTIFICATES

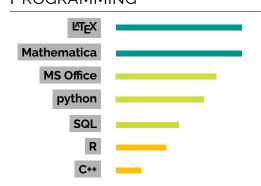
2023	Python for Data Science and Machine
	Learning Bootcamp , <i>Udemy</i> (25 hours)
2023	Machine Learning Specialization,
	DeepLearning.AI, Stanford University,
	Coursera (72 hours)
2023	IBM Data Science Professional Certifi-
	cate, IBM, Coursera (156 hours)
2023	Google Advanced Data Analytics Cer-
	tificate, Google, Coursera (168 hours)

Google, Coursera (186 hours)

Google Data Analytics Certificate.

Programming

2023



SOFT SKILLS

- · Analytical and Critical Thinking
- · Problem Solving
- · Rational Decision-Making
- · Independent Working
- · Effective and Clear Communication
- Fast Learner
- Adaptability

GRANTS

2020	A. Della Riccia Foundation Fel-		
	lowship		
2020	A. Gini Foundation Fellowship		

LANGUAGES

Italian	Proficient	mother tongue				
English	Proficient	•	•	•	•	
German	Basic	•		•	•	
Spanish	Basic	•			•	

PUBLICATIONS

I have published 20 papers, with more than 400 citations. A full list of published papers can be found here.

Teaching Duties

2021- 2023	General Relativity Utrecht University
2024	Quantum Field Theory II University of Hamburg

Organizational Duties

I co-organized two international conferences (website 1 and website 2), and series of seminars at Utrecht University.

TALKS AND SEMINARS

I have given several talks in European and American institutions and at international conferences and workshops.