Antonio **Santaniello**

Physics student

[redacted] @ [redacted] [redacted] [redacted]

Github : github.com/MusterMark8 , Linkedin : **Antonio Santaniello**.

I authorise the treatment of my personal data according to the local law.

Education

2024 - Present **PhD Theoretical Physics**. University of Trieste.
- Courses : Supersymmetry, String theory

2022 - 2024 **MSc Theoretical Physics**, University of Trieste. Final GPA : 29.6/30. Final grade : 110/110 cum laude
- **Thesis Project** : Bulk/Boundary Correspondences and Generalised Symmetries. Supervisor : L. Di Pietro, UTrieste.

2019 - 2022 **BSc Physics**, University of Trieste. Final GPA : 29.6/30. Final grade : 110/110 cum laude.
- **Thesis Project** : SYK model and JT gravity. Supervisor : L. Di Pietro, UTrieste .

2019 - 2024 **Scholarship Holder**, Collegio Universitario Luciano Fonda, Trieste. Admission based on merit. Interdisciplinary courses and conferences. `https://www.collegiofonda.it/`
- 2023 - Team Leader : Applied Research, in collaboration with Aindo. `https://www.aindo.com/`
- 2022 - Team Member : Social Media management, in collaboration with Noiza. `https://noiza.com/`

2014 - 2019 **Science High School Diploma**. Liceo Scientifico Galileo Galilei, Siena. Final Score : 100/100.

Experience

April 2025 – May 2023 | **Teaching Assistant, University of Trieste, Trieste**
Tutor of Introduction to Theoretical Physics for the BSc in Physics.
Teaching

December 2023 – May 2023 | **Tutor, University of Trieste, Trieste**
Tutor of Calculus 2 and Newtonian Mechanics for the BSc in Physics.
Teaching

May 2023 – May 2021 | **Student Representative, Physics Department, Trieste**
Member of the Department Board, elected by students.
Feedback Proposals

February 2022 – October 2021 | **BSc curricular internship, INFN, Trieste**
Lie groups and algebras and their representations. Supervisor : R. Valandro, UTrieste.
Independent study Organization

Schools and Conferences

June 2025	SCGCS school 2025, SwissMAP Research Station, Les Diablerets. (1 weeks)
November 2024	LACES 2024, Galileo Galilei Institute, Florence. (3 weeks)
August 2024	Symmetries 2024, University of Oxford. (1 week)
April 2024	Spring School on Superstring Theory and related topics, ICTP. (1 week)
April 2023	Spring School on Superstring Theory and related topics, ICTP. (1 week)
November 2022	T4EU Visiting student : Quantum Information, University of Saarlandes. (1 week)
August 2022	Summer school in Theoretical Physics, University of Utrecht. (1 week)

Competences

Programming	Fortran,Python
Computer skills	LaTeX, Word Office
Languages	Italian (Native), English (C1), Spanish (Basic)

Interests

- Theoretical Physics, Mathematics, AI
- Photography, cooking, travelling
- Track and Field (competitive 2011-2019, 400 mh), Soccer, Tennis

Outreach

2025	Speaker for "Pint of Science"
2023	Physics student seminars, Organiser **(link)**
2022	European Researcher's night
2020	Trieste Next, Science fair