

Curriculum Vitae – Fall 2024

Family name: Giammanco
 Given name: Luca
 Gender: male
 Date of birth: 29/12/2000
 Citizenship: Italian
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Qualifications

- 2022-2024 Master's degree in Theoretical Physics (cum laude).**
 Sapienza Università di Roma, Rome, Italy.
The last year included additional courses in the framework of the Honours Programme, open to the best 15 students of the department.
 Level: Graduate (2 years).
 Main field of interest: Statistical Mechanics of Disordered Systems.
 Thesis title: *Spectra of sparse, antagonistic random matrices and applications to the stability of ecological systems.*
 Thesis advisor: Prof. Chiara Cammarota.
- 2022-2024 Course in Global Studies.**
 Collegio Universitario Lamaro Pozzani, Rome, Italy.
 Level: Graduate (2 years).
 Main field of interest: Economics.
- 2019-2022 Bachelor's degree in Theoretical Physics (cum laude).**
 Sapienza Università di Roma, Rome, Italy.
The last two years included additional courses in the framework of the Honours Programme, open to the best 30 students of the department.
 Level: Undergraduate (3 years).
 Thesis title: *Dinamica Monte Carlo del modello di Edwards-Anderson 3D per I vetri di spin. (Monte Carlo dynamics of the 3D Edwards-Anderson model for spin glasses).*
 Thesis advisor: Prof. Luca Leuzzi.
- 2019-2022 Course in Business Fundamentals "Valerio e Clara Gilli".**
 Collegio Universitario Lamaro Pozzani, Rome, Italy.
 Level: Undergraduate (3 years).
 Main field of interest: Economics.

Awards and Scholarships

- 2019-2024 Student at "Collegio Universitario Lamaro Pozzani".**
 University College of excellence admitting 14 students per year.
- 2019 Alfieri del Lavoro.**
 Prize awarded every year by the Italian President to the 25 best high school students of the country.

Research Interests

Equilibrium and Nonequilibrium Statistical Mechanics, Disordered System, Machine Learning

Work Experience

- 2021 Student-collaboration scholarship.** Sapienza University, Rome.

150 hours working experience at the Physics Department library, students are selected based on academic merit.

June-July 2018 Three-week working experience at Walworth Garden, London.

Part of the work-related learning project "Food and Nature" organised by Liceo Scientifico Statale "Stanislao Cannizzaro", Palermo, Italy.

Language Skills

Italian Native Speaker

English C2 CEFR

IELTS Academic band grade 8.5, issued 16/01/2024.

IT Skills

Programming languages:

C (Good)

C++ (Good)

Python (Good)

Other IT skills:

LaTeX (Good)

Microsoft Office (Fairly Good)