

FRANCESCA GIUFFRIDA

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PROFILE

Born August 28th 1995, Rome. Currently PhD student at IMT Lucca, interested in applying models from Statistical Physics to Complex Networks and Socio-economic Systems.

SKILLS

Physics & Mathematics

- Advanced Statistical Mechanics
- Probability, Statistics and Stochastic Processes
- Complex Systems Analysis
- Information Theory

Computing

- C
- Familiar with Python, Matlab, Stata
- Linux (UBUNTU), Windows
- LaTeX
- Office Package

Languages

- Italian: Native
- English: Advanced

CURRENT POSITION

PhD Student

IMT School for Advanced Studies Lucca 2020 -
ENBA: Economics, Networks and Business Analytics
Research unit: NETWORKS
Advisor: Diego Garlaschelli

EDUCATION

Master's Degree in Theoretical Physics

Sapienza University, Rome, Italy 2017 - 2020
Grade: 110/110 with honors

Thesis: "Introducing topological interactions in heterogeneous random networks"
Supervisors: Andrea Gabrielli, Giulio Cimini

Bachelor's Degree in Physics

Sapienza University, Rome, Italy 2014 - 2017
Grade: 110/110 with honors

Thesis: "Derivation of a linear Boltzmann equation for a lattice Lorentz gas"
Supervisor: Giada Basile

Secondary School Diploma

Liceo Scientifico Taletè, Rome, Italy 2009 - 2014
Indirizzo PNI: Piano Nazionale Informatica
Grade: 100/100 with honors

WORK EXPERIENCE

Merit-based, part-time placement 2016 - 2018
Sapienza University, Rome, Italy

I was selected to collaborate with the Student Office of the Physics Department, carrying out administrative tasks and orientation activities.