



## Leonardo Salicari

- 📍 Padua, Veneto (Italy)
  - 📞 +39 346 35 29 647
  - ✉️ leonardo.salicari@gmail.com
  - 👤 Github account
- Born 7 June 1996

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### EDUCATION

October 2021 - ongoing

#### Ph.D. in Physics

*University of Padua, Department of Physics and Astronomy "Galileo Galilei"*

Supervisor: Prof. Antonio Trovato

Topic: *Statistical Mechanics and numerical simulations of topologically entangled proteins*

October 2018 - April 2021

#### Master's degree in Physics - Statistical Mechanics

*University of Padua, Padua, Italy*

- Final Score: 110 cum laude
- Thesis: "Folding Mechanisms of Entangled Proteins: Numerical Simulations within Coarse-Grained Structure-based Models"

Selected topics: Stochastic dynamics, Phase transitions and Critical phenomena, Machine Learning (supervised), Data Analysis and Visualization, Non-Equilibrium Statistical Mechanics, Molecular Dynamics, Density Functional Theory, and Biophysics

October 2015 - September 2018

#### Bachelor's degree in Physics

*University of Perugia, Perugia, Italy*

- Final Score: 110 cum laude

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### MAJOR RESEARCH INTERESTS

Statistical Mechanics, Computational Biology, Machine Learning, Complex Systems

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### SKILLS

#### Languages

- Italian – Native speaker
  - English – level C1 *European language levels*
- Academic English Course (30h) - UNIPD Language Center

#### Programming languages

Python, C++, JavaScript, and L<sup>A</sup>T<sub>E</sub>X

#### Softwares

LAMMPS, PyMol, VMD, GROMACS

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### AWARDS

- One of the top three Research Posters at the remote *BioExcel School on Biomolecular simulations* with the research project entitled *Folding Mechanisms of Entangled Proteins* (April 2022)

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### INTERESTS

- Board games
- Natures