



# Lorenzo Ferri

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LinkedIn

MSc Statistics student with Minor in Computer Science at EPFL (graduating in January 2026). Seeking a PhD position in statistics, applied probability, or network science. Excited to start a new project!

## WORK EXPERIENCE

### INDY LAB (EPFL) • RESEARCH INTERN

Feb 2025 - Aug 2025 (6 months) • Lausanne, Switzerland

Full-time researcher within the Information and Network Dynamics laboratory of EPFL.

- submitted a paper to KDD 2026 about the empirical differences of several community detection algorithms;
- produced novel theoretical results about graph trimming for spectral clustering via random matrix concentration results.

### LEONARDO • DATA SCIENCE INTERN

Feb 2023 - Jul 2023 (6 months) • Genova, Italy

Part-time intern devoted to extracting data from the davinci-1 supercomputer's log files, as part of the BSc's thesis.

- provided insights and analyses about user usage and energy consumption of the cluster;
- proposed optimized solutions to reduce energy consumption by  $\sim 5\%$ ;
- used several time series models and implemented novel ones, while employing high performance computing techniques.

## EDUCATION

### EPFL - ÉCOLE POLYTECHNIQUE FÉDÉRALE DE LAUSANNE

Sep 2023 - Jan 2026 (2.5 years) • Lausanne, Switzerland

MSc Statistics, Minor in Computer Science - 5.47/6

- MSc thesis: "Autoregressive network time series on random graphs: properties and parameter estimation".
- Relevant coursework: Causal Inference, Regression methods, Machine Learning, Reinforcement Learning, Algorithms.

### UNIVERSITÀ DI GENOVA

Sep 2020 - Jul 2023 (3 years) • Genova, Italy

BSc Statistical Mathematics and Data Management - 110/110 with honors

- BSc thesis: "Analysis of monitoring data for high-performance computing systems".
- Alumnus of IANUA, the excellence programme for outstanding students, enrolled in the program STSI - Science and Technologies for Information Society, and student representative and member of the Quality of Teaching Committee.

## LANGUAGES

Italian: native speaker.

English: C1 (CAE score 201).

French: B2 (taking classes).

## PROGRAMMING

Main use: Python • Julia • R

Other: SAS • SQL • Java • C++

Tools: Latex • Git

## FRAMEWORKS

Python: scikit-learn • PyTorch • numpy • pandas • networkx

Julia: MLJ • Turing • Graphs

## RELEVANT PROJECTS

### Machine learning for housing price prediction: a Swiss case study

Modeled housing rental prices in Switzerland from novel data scraped from online advertising, focusing on explainability.

Compared various models including regression models, tree-based methods, and neural networks. Focused on preprocessing, feature engineering, model evaluation, interpretability, bias mitigation, and fairness.

## ABOUT

- Nationality:** Italian.
- Sport:** Captain of an amateur volleyball team for two years, fostering teamwork. Also active in tennis and regular workout.
- Student association:** President of the local section of the MSAC student association from 2017 to 2020, leading a team to organize initiatives promoting social awareness and political participation. Developed leadership and organizational skills.
- Model UN:** Awarded the Outstanding Delegation Prize in 2018 and the Diplomacy Award in 2019 at the Rome Conference. Strengthened public speaking, negotiation, and diplomacy skills.
- High school excellence year:** Selected for the Rondine excellence program, an interdisciplinary academic year dedicated to creative transformation of conflict, peacebuilding, leadership, and project management.