

FEDERICO DI GENNARO


PhD Student in Machine Learning at ETH Zürich

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EDUCATION

ETH Zurich

Ph.D. in Computer Science | Statistical Machine Learning Group

 Incoming (Nov. 2025)  Zurich, Switzerland

Advisor: Prof. Fanny Yang.

UC Berkeley

Visiting Student Researcher | Department of Statistics

 Feb. 2025 - Jun. 2025  Berkeley, United States

Research project on Efficient (Online) Logistic Regression (*under review*).

Advisor: Prof. Zhivotovskiy.

EPFL

M.Sc. in Applied Mathematics | Minor in Data Science

 Sept. 2022 - Jun. 2025  Lausanne, Switzerland

Advisor: Prof. Lénaïc Chizat.

Research Assistant @ Chair of DOLA: *Stein's Unbiased Risk Estimate for explicitly and iteratively regularized estimators*.

Teaching Assistant of the course Applied Data Analysis - CS 401.

Politecnico di Milano

B.Sc. in Mathematical Engineering

 Sept. 2019 - Sept. 2022  Milan, Italy

Exchange semester @ Universidad Autónoma de Madrid.

EXPERIENCE

Università di Milano - Milan's ELLIS Hub

Visiting Student Researcher

 Sept. 2024 - Jan. 2025  Milan, Italy

Research project on Online Learning with feedback graphs in the Partial Monitoring framework (*accepted at NeurIPS 2025*).

Advisor: Prof. Cesa-Bianchi.

AXA

Research Science Intern (Machine Learning)

 Feb. 2024 - Aug. 2024  Paris, France

Research project on Machine Learning Fairness and Interpretability (*accepted at TMLR*).

Advisors: Dr. Laugel & Dr. Grari.

Jane Street

Quantitative Trading Camp Participant

 Oct. 2023  London, UK

Participated in this selective one-week training camp hosted in Jane Street office.

RESEARCH INTERESTS

Statistical Learning and Online Learning, AI Safety (Unlearning and Mechanistic Interpretability)

PUBLICATIONS

- F Di Gennaro**, T Laugel, V Grari, X Renard, M Detyniecki. "Post-Processing fairness with minimal changes". In: *ICML Workshop Humans, Algorithmic Decision-Making and Society: Modeling Interactions and Impact*, 2024.
- F Di Gennaro**, T Laugel, V Grari, M Detyniecki. "Controlled Model Debiasing through Minimal and Interpretable Updates". In: *TMLR*, 2025.
- F Di Gennaro**, K Eldowa, N Cesa-Bianchi. "Instance-Dependent Regret Bounds for Nonstochastic Linear Partial Monitoring". In: *NeurIPS*, 2025.

ACHIEVEMENTS

Scholarships

Hasler-Stiftung Foundation, 2024.

Scholarship of \$9000 awarded for my visiting period at UC Berkeley.

Politecnico di Milano, 2021.

Merit-based scholarship for tuition fees and abroad exchange semester.

Mathematical Olympiad

Ruffini's Cup, 2019.

1st place - Mathematical Olympiad (team competition).

Team-IMO National Finalist, 2017-2019.

3 times National finalist of Italian section of IMO "Progetto Olimpiadi della Matematica".

LANGUAGES

Italian: Mother-tongue. English: C1.

Spanish: B1. French: A2.