

Elia Parolari

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in/elia-parolari

Education

Politecnico di Torino, Université Paris-Saclay

MSc in Physics of Complex Systems

Torino, Paris

2024 - present

- **Current GPA:** 28.5/30 (3.85).
- Modules: Statistical Physics, Disordered Systems, Algorithms for Optimization and Inference, Machine Learning, Stochastic Processes, Data Science, Dynamical Systems.

Università Commerciale Luigi Bocconi

BSc in Mathematical and Computing Sciences for Artificial Intelligence

Milano

2021 - 2024

- **Final grade:** 110/110.
- Modules: Algebra and Analysis, Statistics, Probability, Computer Science, Data Science, Optimization, Machine Learning, Deep Learning, Decision Theory, Game theory, Financial Mathematics.

Internships and Experiences

Saba Forging

Remote

Data Analytics Research Project

2024 - 2025

- Built an intuitive user interface to analyze historical demand data and generate clear, actionable reports for managers to support future production planning.

Bocconi Statistics and Data Science Student Association

Milano

Team Leader - Customer Segmentation Project ⚡

2023 - 2024

- Led a project on customer segmentation using unsupervised learning and NLP on transactional data, identifying user clusters with similar spending patterns to support targeted marketing strategies.

Polytec

Borgo Chiese

Computer Vision Engineer Intern

Summer 2023

- Gained end-to-end experience on production-line robots: camera and lighting setup and calibration, data collection, computer vision algorithm development (classical CV and convolutional networks), software integration, and testing.

Academic Projects

- Monte Carlo Method heuristics for random K-SAT problems. ⚡
- Deep learning for breast cancer detection in ultrasound images. ⚡
- Computational analysis of neuronal responses to visual stimuli in mice. ⚡

Skills

Languages: Italian (Mother tongue), English (Fluent).

Programming and Tools: Python, HTML, CSS, LaTeX.

Libraries: Pandas, Scikit-learn, PyTorch, Statsmodels.

Others

Summer jobs: Tourist receptionist, product photographer, waiter, private tutor (mathematics and physics).

Hobbies: Hiking and fishing.