

EDUCATION	
Bocconi University, Milan, Italy	
M.Sc. Artificial Intelligence	2024 - Present
<ul style="list-style-type: none"> · Main Courses: Advanced Linear Algebra, Algorithms, DL and RL, Information Theory, Computer Vision, NLP, Complex Systems, Real and Fourier Analysis (audit) · PhD Courses: Real Analysis II (Optimal Transport), Probability Theory II, Theory of Computation (audit) 	
B.Sc. Economic and Social Sciences	2021 - 2024
<ul style="list-style-type: none"> · Advised by Prof. Jérôme Adda · Final work: "Can Machine Learning Aid Econometrics?" · Final grade: 110/110 cum laude 	
Universitat Pompeu Fabra, Barcelona, Spain	
Exchange Program	2024
Università degli Studi di Milano Statale	
B.Sc. Biotechnology	2022-2023
<ul style="list-style-type: none"> · Single courses: General Biology, Genetics 	

EXPERIENCE	
NOVA IMS, Universidade NOVA de Lisboa, Portugal	
Visiting Student	Nov 2025 - Present
<ul style="list-style-type: none"> · Visiting Prof. Mauro Castelli · Research area: explaining double descent phenomenon, what underlies gradient descent preference for smoothness, what is smoothness 	
Bocconi Institute for Data Science and Analytics	
Visiting Students Initiative	Apr 2025 - Present
<ul style="list-style-type: none"> · Mentor: Prof. Elia Brué · Research area: Ricci curvature bounds for discrete spaces, optimal transport, convergence of diffusion processes and functional inequalities in spectral theory · Presenting this and this paper in the Stats and Maths reading group 	
Bocconi Student Association for Mathematical Sciences	
Founding and Board Member, Co-Head Pure Math Division	Sep 2025 - Present
<ul style="list-style-type: none"> · Aim: introduce Bocconi students to mathematical sciences, through conferences with professors, collaborative study and chats 	
Department of Decision Sciences, Bocconi	
Reading Seminars Information Geometry	2025
Research Internship Algebraic Topology	2025
Innocenzo Gasparini Institute for Economic Research, Bocconi	
Research Assistant	2023
<ul style="list-style-type: none"> · Mentor: Prof. Massimo Marinacci · Research area: re-interpretation and adaptation of the first quantitative analysis in social sciences by Cesare Beccaria (with tools of probability and decision theory) 	

SELECTED PROJECTS	
saLM-1: Self-Aware Language Model Ensemble (LLM ensemble architecture)	2025
Adversarial Robustness Pipeline (CNN adversarial training)	2025
Wordle Guesser (Entropy-based guesser)	2025
Movie Recommendation System (Web app)	2025

SKILLS	
Programming: Python (proficient), R, STATA (advanced), C, C++ (beginner)	
Languages: Italian (native), English (proficient), Spanish (advanced)	

OTHER INTERESTS	
Sailing, surfing, windsurfing; volleyball (ex-professional); mountain hiking and skiing; piano; theater and cinema	