

CURRICULUM VITAE  
GABRIELE BIROLI

### Contact Information

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### Education

2025-current Student, MSc in Economic and Social Sciences Università Bocconi. Current GPA: 29.5/30  
2021-2024 Student, BSc in Mathematics and Economics (Double-Major), Ecole Polytechnique  
GPA: 14.01/20. Thesis supervisor: Julien Combe  
2008-2021 High school : Ecole Jeannine Manuel, Paris, France

### Work Experience

2026-Current Visiting Student within IGIER-BIDSA. Mentor Professor : TBD...  
2024-2025 Research Assistant (full time) under Professor Guillaume Hollard, Ecole Polytechnique:  
Identifying and quantifying a measure of complexity for existing behavioral game theory models; developing and application of the BetterBeliefs model.  
2024 Research Assistant to Pr. Julien Combe (Bachelor Thesis internship), Ecole Polytechnique:  
Design and developing of a learning algorithm in statistical prediction/modeling and mechanism design, allowing for out-of-sample preferences prediction and population matching (as well as a virtual simulation of a simplified internship market).  
2023 Research Assistant to Professor Claudio Tebaldi, Bocconi University:  
Explored a game theoretical approach to soul-bound tokens, trust and confidence in blockchain economics and governance of Decentralized Organizations  
2023 Research Project with Prof. G.Hollard and Polytechnique's Economics Department:  
Design of a new model (Better Beliefs model) providing closed-form expressions for predicting players' beliefs and distribution of play  
2023-Current Co-Founder and Head of GLUE Start-up Project:  
Platform aiming to centralize, facilitate, and optimize the internship market through statistical, game theoretical, and mechanism design methods (in Coop with UCL, HEC, ASSAS, & CentraleSupélec students)  
2023 AI style transfer Project, under supervision of Pr. Jesse Read, Ecole Polytechnique:  
Built a CNN model generating a given content-image in the style of a given style-image and built a second CNN model for object detection in images. Tools : Python + Jupyter

### Languages

English: Fluent; French: Fluent; Italian: Fluent; Spanish: Fair (B2); Chinese: Beginner

### Computer Skills

Softwares: Jupyter: Good, Latex: Good  
Programming languages: Python: Good; R: Good; C++: Fair; HTML+CSS+Javascript: Fair

### Extra Curricular Activities

2025-Current Fellow of the Economic Society for Bocconi Students  
2021-2024 Member of Next - Environmental Association on Polytechnique's campus  
2014-2023 Volunteer and Runner for Action Contre la Faim

### Other Skills and Interests

Sport activities and Hobbies: Squash, Football, Gym, Crochet, Singing, Laughing with my friends !