

## Curriculum Vitae – Fall 2025

Family name: Covini  
Given name: Gianluca

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## Qualifications

Sep 2025 - in progress **PhD in Statistics & Computer Science**  
*Bocconi University, Milan, Italy*

Sep 2022 - Feb 2025 **MSc in Mathematics**  
*University of Pavia, Pavia, Italy*  
Thesis: “Enhancing Dynamic Algorithm Configuration via Theory-guided Benchmarks”  
Supervisors: Prof. Stefano Gualandi, Prof. Carola Doerr

Sep 2019 - Sep 2022 **BSc in Mathematics**  
*University of Pavia, Pavia, Italy*  
Thesis: “Ewens Sampling Formula and Applications to the Study of Biodiversity”  
Supervisor: Dr. Emanuele Dolera

## Awards and Scholarships

Sep 2024 - in progress **PhD Scholarship**  
*Bocconi University, Milan, Italy*

May 2024 **Associazione Alumni Collegio Borromeo Scholarship** to the best students of Almo Collegio Borromeo  
*Associazione Alumni Collegio Borromeo, Pavia, Italy*

Sep 2022 - Aug 2024 **Merit-based college student**  
*Almo Collegio Borromeo, Pavia, Italy*

## Research Interests

*Optimal Transport, Optimization, Stochastic Processes*

## Publications

G. Covini, D. Antipov, C. Doerr, **Enhancing Parameter Control Policies with State Information**, *Proceedings of the Foundations of Genetic Algorithms (FOGA) XVIII*, 2025

## Work in Progress

“Bayes Rule via Entropic Approximation of the Knothe-Rosenblatt Rearrangement”, joint with Carlo Ciliberto, Giulia Luise (2025)

## Studies abroad

Jul 2024 - Aug 2024 **Summer research project - Visiting program with Corpus Christi College**  
*Statistical Laboratory, University of Cambridge, Cambridge, UK*

Mar 2024 - Jul 2024 **Master thesis abroad - Erasmus Traineeship program**  
*LIP6, Sorbonne Université, Paris, France*

### Work Experience

Oct 2021 - Aug 2024	<b>Academic tutor for calculus and probability courses</b> <i>University of Pavia, Pavia, Italy</i>
Oct 2023 - Dec 2023	<b>Lecturer of <i>Topics in Computational Statistics</i></b> <i>Almo Collegio Borromeo, Pavia, Italy</i>
Sep 2023 - Feb 2024	<b>Machine learning research internship</b> <i>Sphaera, Milan, Italy</i>

### Language Skills

<b>Italian</b>	Native speaker
<b>English</b>	C1 <i>TOEFL 106/120, issued in 2024</i> <i>IELTS 7.5, issued in 2021</i>
<b>French</b>	B1 <i>DEL F B1, issued in 2016</i>

### IT Skills

<b>Coding</b>	Good knowledge <i>Python, MatLab</i>
	Fairly good knowledge <i>R, Julia</i>
<b>Other</b>	Good knowledge <i>Office suite, LaTeX</i>
	Fairly good knowledge <i>Git, AWS</i>

### Other Activities

Sep 2018 - Sep 2021	<b>Co-founder &amp; event organizer</b> <i>The Most Maiorum, Pavia, Italy</i>
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