

Curriculum Vitae – Fall 2021

Family name: *Mascari*
 Given name: *Francesco*
 Gender: *male*
 Pronouns: *he/him*
 Date of birth: *21/08/1996*
 Citizenship: *Italian*
 email address: *francesco.mascari@phd.unibocconi.it*

Qualifications

- Sep 2021 – ongoing **PhD in Statistics and Computer Science**
Bocconi University, Milan, Italy
- 2018 – 2021 **MSc in Mathematics for Life and Data Sciences**, cum laude
University of Trento, Trento, Italy
 Thesis: *“A Micro-macro Connection: The Valuable Relation between Large Deviations for Diffusion Processes and Wasserstein Gradient Flow”*
 Supervisors: *Dr. Carlo Orrieri, Dr. Giovanni Conforti*
- 2015 – 2018 **BSc in Mathematics**, cum laude
University of Bologna, Bologna, Italy
 Thesis: *“Linear Matrix Equations”*
 Supervisors: *Prof. Valeria Simoncini*
- 2010 – 2015 **High School Diploma in Scientific Studies**, cum laude
Liceo Scientifico Copernico, Bologna, Italy

Awards and Scholarships

- 2021 **PhD Scholarship**
Bocconi University, Milan, Italy
- 2019 **Summer School** in Geometric Statistics
University of Toulouse III, Toulouse, France

Research Interests

Optimal transport, Stochastic processes, Bayesian statistics

Studies abroad

- Oct 2020 – Feb 2021 **Erasmus+ Traineeship**
École Polytechnique, Palaiseau, France
- Jan – Jun 2018 **Erasmus+ Study**
Cardiff University, Cardiff, Wales, UK

Work Experience

- Feb – Jul 2020 **Part-time job at University of Trento**, Trento, Italy
Mathematics Tutor for refugee students
- Sep 2019 – Jul 2020 **Part-time job at University of Trento**, Trento, Italy
Mathematics Tutor for undergraduate students

Language Skills

Italian Native speaker



English	C1 <i>IELTS Academic 7.0, issued in 2016</i> <i>Cambridge First Certificate (FCE), issued in 2015</i>
French	A2
IT Skills	
Coding	Good level R, Python, MatLab, SQL, Julia.
Office suite	Good level Word, Excel, PowerPoint, Access, Outlook, OneDrive. <i>ECDL Full standard, issued in 2015</i>
Git	Basic

Other Activities

Apr – Jun 2021	Reading group <i>“A course in Rough Paths” by P. K. Fritz and M. Hairer</i>
2016 – 2018	Student representative in the Department of Mathematics <i>University of Bologna, Bologna, Italy</i>
2013 – 2014	Student representative in the School Board <i>Liceo Scientifico Copernico, Bologna, Italy</i>