

Alberto Bordino

Curriculum vitae

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Nationality: Italian
Birthplace: Torino, Italy
Birth-date: 22/11/1998

Networks

Website <https://albertobordino.com>
🌐 [Alberto Bordino](#)
in [Alberto Bordino](#)
🔗 [abordino](#)

Education

Oct 2022 – Present **PhD in Statistics, Warwick, UK.** I am a first year PhD student in the Warwick Mathematics and Statistics CDT
Sep 2020 – Jul 2022 **Master Degree in Stochastic and Data Science, 110/110 cum laude and special mention, Department of Mathematics G.Peano, Turin, Italy.** Thesis on infinite-wide limits of deep Stable neural networks with Prof. S. Favaro
Sep 2017 – Jul 2020 **Bachelor Degree in Mathematics, 110/110 cum laude, Department of Mathematics G.Peano, Turin, Italy.** Thesis on Hidden Markov Models with Prof. F. Polito

Teaching experience

A.Y. 22/23 **ST219 - Mathematical Statistics part b**, Department of Statistics, University of Warwick, Coventry, UK
A.Y. 19/20, 20/21, 21/22 **Lab of Numerical Analysis**, Department of Mathematics G.Peano, Turin, Italy
A.Y. 18/19 **Symbolic Programming with Maple, Digital Math Training project**, Department of Mathematics G.Peano, Turin, Italy

Publications

2022 *Infinitely wide limits for deep Stable neural networks: sub-linear, linear and super-linear activation functions*, A. Bordino, S. Favaro, S. Fortini, *Transactions of Machine Learning Research*

Scholarship and Awards

Oct 2022 – Sep 2026 **Department of Statistics CDT studentships.** It covers salary and university fees for the entire length of the PhD.

- Sep 2017 - **INdAM scholarship for Bachelor Degree in Mathematics**, granted by Istituto Nazionale di Alta Matematica (INdAM). Ranked 7th in Italy.
- Jul 2020
- Sep 2018 **4th place at AlphaClass - Diderot Project** Department of Mathematics G.Peano, Turin, Italy
- Jan 2018 **Admitted to Percorso di Eccellenza at CdL Triennale in Matematica**, Department of Mathematics G.Peano, Turin, Italy
- May 2017 **Finalist at National Mathematical Olympiad**, Cesenatico, Italy

Summer Schools, Conferences and Workshops

- June 2022 **2022 IMS Annual Meeting**, London, UK. Selected talks: "Universality and Crossover in 1+1 Dimensions" by Prof. Martin Hairer, "Privacy, Probability and Synthetic Data", by Prof. Roman Vershynin, "On the Blending of Statistical Machine Learning and Microeconomics", by Prof. Micheal Jordan, "Distribution-free Prediction: Exchangeability and Beyond" by Prof. Rina Barber.
- Jul 2019 **INdAM summer school**, Perugia, Italy.
Selected courses: "Singular Value Decomposition and Application" by Prof. Alessandra Bernardi, "Probability, Puzzles and Paradoxes" by Prof. Larry Goldstein.
- Jul 2018 **INdAM summer school**, Perugia, Italy.

Languages

- English** IELTS score: 8.0 (May 2022)
- Italian** Native speaker

Computer Science skills

- Advanced** Python, R, \LaTeX
- Intermediate** SQL, C, MATLAB, Git

Certifications

- Sep 2020 [Data Scientist in Python - Dataquest](#)
- Sep 2020 [Data Analyst in Python - Dataquest](#)
- Mar 2020 [SQL for Data Science - edX](#)
- Dec 2019 [Graph Algorithm - edX](#)
- Oct 2019 [Algorithm and design techniques in Python - edX](#)

Extra-Curricular Activities

- Sport** Professional goalkeeper at Torino F.C. from 2009 to 2015. After an early retirement, I switched to swimming and playing tennis.