

Simone Maria Giancola

Milan, Italy

mail simonegiancola09@gmail.com | Webpage simonegiancola09.github.io

EDUCATION

Bocconi University

Milan, ITA

MS Data Science — Data Science Major

Aug 2021 – Apr 2024

- GPA: 29 / 30; Final grade 110 *cum Laude* / 110
- Thesis “A roadmap to Message Passing methods for inference on Mixed Generalized Linear Models, with emphasis on Mixed Noiseless Phase Retrieval”, Advisor Prof. Carlo Lucibello
- **Ph.D.** Relevant coursework: Real Analysis (Optimal Transport), Graph Theory, Statistical Physics
- Relevant coursework: Advanced Machine Learning, Optimization, Stochastic Processes

Arizona State University

Phoenix, USA

Undgraduate Exchange Program

Jan 2021 – May 2021

- GPA 4.17 / 4.00
- **Graduate** relevant coursework: Quantum Computation, Modeling with Game Theory

Bocconi University

Milan, ITA

BS Economics, Management and Computer Science

Aug 2018 – Jul 2021

- GPA 29.18 / 30 — Grade 110 *Cum Laude* / 110
- Relevant coursework: Advanced Statistical Methods, Applied Mathematics, Machine Learning

EXPERIENCE

Research Intern

Feb 2024 – Apr 2024

King Abdullah University of Science and Technology (KAUST)

Jeddah, KSA

- Advisor: Prof. Peter Richtárik
- Optimization, Conditioned Gradient Descent methods, Machine Learning

Research Intern

Oct 2023 – Present

École Normale Supérieure (ENS)

Paris, FRA

- Advisor: Bruno Loureiro
- Neural Network Theory, high-dimensional data, Stochastic Gradient Descent, Gradient Flow

Research Intern

Jun 2023 – Aug 2023

Institute of Science and Technology Austria (ISTA)

Wien, AUT

- Advisor: Prof. Marco Mondelli
- Statistical to Computational Gaps, Information Theory, Algorithms, Message Passing

ISTernship Summer Programme, ref. num. MPC-2023-01128, financed by ISTA, awarded by the OeAD

Visiting Student

Mar 2022 – Jun 2023

Bocconi Institute for Data Science

Milan, ITA

- Advisors: Prof. Carlo Lucibello and Prof. Luca Saglietti
- Reading, self-study, writing

Research Assistant

Jan 2021 – May 2021

Bocconi University

Milan, ITA

- Advisor: Prof. Emanuele Borgonovo
- Value of Information, Support Vector Machines

EXTRACURRICULARS

I write what I learn in the [writings](#) page of my website. In the [talks](#) section, I collected lectures and poster presentations.

SKILLS

Advanced Python, Latex, Sklearn, Numpy, Matplotlib, Scipy;

Intermediate Julia, Git, Unix, R, SQL, Matlab, C++, Keras, Tensorflow

LANGUAGES

English (proficient) TOEFL 108; Italian (mothertongue); Spanish (basic)

PROFILE & INTERESTS

Passionate about Statistics, Mathematics and Computer Science. Result driven, detail oriented, and able to apply theoretical knowledge to solve real world problems. Fast learner, moved by curiosity. Good team player, while being able to work independently and take on responsibility.

In my spare time I enjoy: rugby, motorbike trips, podcasts, running.

I authorize treatment of my personal data according to the local law