



Stefano Samele

PERSONAL INFORMATION

Place and date of birth:
Milan (Mi), Italy, 26/10/1990
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PROFILE

My university career provided me with excellent knowledge of mathematical analysis, statistics, and programming languages for scientific computing, such as C/C++ and Matlab. Thanks to one of the most crucial realities in consultancy (Deloitte), I achieved an excellent knowledge of data analysis and added another programming language to my skill set: Python. Since my early days in Agile Lab, I've worked as a data scientist, focusing on advanced analytics techniques and statistical analysis. Besides acquiring a deep knowledge of coding and software engineering, I had the chance to work on and study Machine Learning, Deep Learning, Computer Vision, and Natural Language Processing, mastering different Python libraries (such as Scikit-learn, TensorFlow, and PyTorch). My passion for these subjects let me jump-start and complete an industrial Ph.D. in collaboration with Pirelli at the Department of Electronics Information and Bioengineering of the Politecnico di Milano. Research areas are Anomaly Detection, Adversarial Attacks, Zero-Few/Shot segmentation, and Representation Learning. During my Ph.D. career, I successfully attended several summer schools (ICVSS 2024), served as a teaching assistant in machine learning and basic informatics courses, and was able to produce several publications at important venues.

WORKING EXPERIENCES

10/2017 - 10/2020	AGILE LAB Open ended employment as Data Scientist and Machine Learning Engineer . Main project followed real time logo recognition in video with convolutional neural networks.
05/2017 - 09/2017	AGILE LAB Internship as Data Scientist .
01/2016 - 02/2017	DELOITTE ITALY RISK ADVISORY Open ended employment as Data Analyst and IT Risk Management Consultant .
09/2015 - 12/2015	DELOITTE ITALY RISK ADVISORY Internship oriented towards employment.

EDUCATION

12/2024 - currently	Post-Doc in Computer Science and Engineering POLITECNICO DI MILANO Field of studies: Deep Learning for Anomaly Detection .
10/2020 - 12/2024	Ph.D. in Computer Science and Engineering POLITECNICO DI MILANO Field of studies: Deep Learning for Anomaly Detection .
01/2018 - 12/2019	2nd Level Master's Degree in Artificial Intelligence UNIVERSITÀ DEGLI STUDI DI TORINO Degree result: 110/110 cum laude. Field of studies: Deep Learning . Thesis: <i>An analysis of the use of Deep Learning in stock trends prediction</i> .
10/2012 - 07/2015	Master's Degree in Mathematics UNIVERSITÀ DEGLI STUDI DI MILANO Degree result: 110/110 cum laude. Field of studies: Numerical Analysis, PDE . Thesis: <i>Thermodynamic constraints for coupled advection-diffusion equations</i> .

RESEARCH

Github: <https://github.com/StefanoSamele-PoliMi>
Google Scholar: <https://scholar.google.com/citations?user=9eINCIAAAAAAJ&hl=it>

LANGUAGES

Italian: mother tongue
English: proficient use of the language at professional level, IELTS **C2 level** certified (report n. A3IT010S3685391, expired February 2022).