

Andrea Graziano

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Experience

- Jan 2022-present **Research Intern**
Institute for Neural Computation, Ruhr University Bochum
I worked on Clone-structured-causal-graphs (CSCGs), validating the cloned HMM against counterfactual causal criteria to provide a computational implementation of the episodic memory theory proposed by M. Werning. Supervisor: Tristan Stöber
- Feb 2022-Sept 2023 **Co-founder and President (Senior advisor from Sept 2023)**
Bocconi AI & Neuroscience Student Association
Main achievements: Starting multiple student-level Research projects; Securing a main sponsorship and partnerships with companies; Organizing conferences on AI and joining events (WAICF 2023).
- Sept 2022-Jun 2023 **Research Intern**
Bocconi University
I applied machine learning tools to interpret electrophysiological recordings in the primary visual cortex of awake mice subject to visual stimuli and passive body rotations.
Supervisor: Prof. Alessandro Sanzeni.

Education

- 2022 - **Single Courses**
University of Milan, University of Pisa, Università del Piemonte Orientale
Software Engineering (12 CP); Operating Systems (12 CP);
Physics 1 (12 CP); Physics 2 (15 CP); Neurophysiology (6 CP)
- 2020 - 2023 **BSc in Economics, Computer Science**
Bocconi University, Milan, Italy
Thesis title: *Understanding visual information processing during body movement*
Relevant Coursework: Statistics, Algorithms, Computer Science, Economics, Machine Learning, Analytics, Mathematics for Neuroscience.
- 2015 - 2020 **High School Diploma in Scientific Lyceum**
Liceo Scientifico F. Vercelli, Asti, Italy

Languages, IT Skills & Extra

- **Languages:** English: advanced (IELTS 7.5 – Dec 2022); French: advanced (DFP Affaires B2 – Jun 2021); Spanish: intermediate; Chinese: elementary (HSK-1, Jun 2021).
- **IT Skills:** *Advanced:* Python, Jupyter; *Basic:* TensorFlow, Stata, R, Java.
- **Some blog articles:** What is Data Science?; Flow: A book review.
- **Extra:** Neuroscience (Bocconi course), Biology Lab. Waiter in Paris, France (summer 2021) and in Bournemouth, UK (summer 2019). I enjoy swimming, reading, and art.