Giorgia Adorni

Nationality	Italian
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Current position	01/2025-Today	**PostDoc at ISIN, DTI-SUPSI (Lugano, Switzerland)**
		· **Fields of research**: Generative AI for music generation, data engineering, analysis and processing (human behavioural sensing and modelling, recommendation systems, sentiment analysis).
Professional experience	11/2020-02/2025	**PhD in Informatics at IDSIA (Dalle Molle Institute for Artificial Intelligence), USI-SUPSI (Lugano, Switzerland)**
		· **Research**: An exploratory study in the cantons of St. Gallen, Vaud and Ticino focused on Assessing the Development of Computational Thinking skills through Intelligent Tutoring Systems; Supervised by *Luca Maria Gambardella* and *Alberto Piatti.*
		· **Fields of research**: Intelligent Tutoring and Assessment Systems, Artificial Intelligence, Computational Thinking, Educational Robotics, Computer Science Education, Learning Technologies, Human-Robot Interaction.
		· **Additional activities**:
		- *Supervised 4 Bachelor's students* in Informatics during their final thesis projects, all achieving excellent results.
		- Participated in the writing of a *grant proposal* titled "Early Algorithms for Young Minds" submitted to the Swiss National Science Foundation (SNSF) under the Project Funding Call (October 2023 and October 2024). Collaborated with *Francesco Mondada*, *Angela Pasqualotto*, and *Alberto Piatti*.
		- Contributed as an Italian instructor for a *MOOC on the Thymio II robot (EPFLx)*.
		- Participated in the *Swiss TecLadies* program 2022/2023 as a researcher, sharing my academic journey. Co-organised an escape room with *Irene Zanardi*, supported by *Monica Landoni* and *Masiar Babazadeh*, aimed at motivating participants by highlighting our career paths.
		- Served as a referee at the 2024 regional tournament for the *World Robot Olympiad* (Bellinzona, Switzerland). Responsibilities included overseeing matches, evaluating team performances, and ensuring fair play and adherence to competition rules.
		- *PhD Student Representative* at USI from June 2024 to February 2025.
		· **Publications** on [Google Scholar](#).
	10/2022-12/2024	**ROTECO Platform Developer (Lugano, Switzerland)**
		· Developed and maintained the *ROTECO* platform, overseeing bug fixes, content updates, and feature implementation.
	02/2021-09/2023	**Teaching Assistant at USI Università della Svizzera italiana (Lugano, Switzerland)**
		· *Data Analytics,* Spring 20/21 (EN), supervised by professor *Fabio Crestani* (MSI and MAI programs).
		· *Introduction to Artificial Intelligence e ML*, Autumn 21/22 (IT), supervised by professor *Cesare Alippi* (MSII program).
		· *Machine Learning*, Spring 21/22 and 22/23 (EN), supervised by professor *Cesare Alippi* (BSc and MFT programs).
		· *Artificial Intelligence*, Autumn 22/23 (EN), supervised by professor *Luca Maria Gambardella* (MAI, MCS and MSI programs).
	11/2018-05/2019	**Data Scientist intern at Digital 360 - partner4innovation (Milan, Italy)**
		· Data preparation and analysis (R and PowerBI) and business process optimisation via Process Mining (ProM, Apromore).
		· Machine Learning model development (Python - TensorFlow).
		· Chatbots development (Dialogflow - javascript).
	03/2018-07/2018	**Machine Learning researcher at MAD Laboratory, Università degli Studi di Milano-Bicocca (Milan, Italy)**
		· Working on a Text Mining problem with TensorFlow in collaboration with researchers from the departments of Computer Science and Psychology.
	06/2017-07/2018	**Tutor of the University computer labs, Università degli Studi di Milano-Bicocca (Milan, Italy)**
		· Students support during courses and exams and IT technical assistance to students and professors.
Education	09/2019-10/2020	**Master of Science in Informatics, Double Degree, USI - Università della Svizzera italiana (Lugano, Switzerland)**
		· Theses titled [Simulation of robot swarms for learning communication-aware coordination](#) focused on Machine Learning, Artificial Intelligence, Deep Learning, Robotics, achieving summa cum laude (9.07/10); Code available on [GitHub](#).
	09/2018-10/2020	**Master of Science in Computer Science, Double Degree, Università degli Studi di Milano-Bicocca (Milan, Italy)**
		· Attended Machine Learning, Data Analytics, and Probabilistic Decision Models courses, achieving a final degree mark of 110L/110.
		· Teaching assistant of *Probability and Statistics,* 19/20 and 20/21 (IT), supervised by *Fabio Antonio Stella* (BSc MAI program).
	09/2015-07/2018	**Bachelor of Science in Computer Science, Università degli Studi di Milano-Bicocca (Milan, Italy)**
		· Thesis titled [Neural networks for learning personality traits from natural language](#), achieving a final degree mark ok 105/110.
Languages		**Italian** mother-tongue; **English** C1; **French** B2; **Spanish** A2.
IT skills		· Web Development: HTML/CSS, MySQL, PostgreSQL, JavaScript, React; · Machine Learning: PyTorch, TensorFlow, Keras;
		· Programming Languages: Python, Java, R, JavaScript, Dart; · Tools: Jupyter, Numpy, Pandas, Seaborn, Flutter;
		· Scientific Languages: LaTeX, MATLAB, Mathematica; · Robotics: ROS, Gazebo, Enki;
		· Others: Dialogflow, PowerBI, Signavio, ProM, Apromore;
Interests		Photography, Drones, Cycling, Swimming, Music, Plants