



Giorgia Adorni

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Current position	09/2020-Today	Phd in Informatics at The Swiss AI Lab IDSIA (Dalle Molle Institute for Artificial Intelligence), USI-SUPSI (Lugano, Switzerland) <ul style="list-style-type: none">• 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. Supervisor: <i>Luca Gambardella</i> and <i>Alberto Piatti</i>.• Fields of research: Intelligent Tutoring Systems, AI for Autonomous Robotics, Computational Thinking, Educational Robotics, Computer Science Education, Learning Technologies, Human-Robot Interaction• Recent publications:<ul style="list-style-type: none">- Antonucci A., Mangili F., Bonesana C., Adorni G., <u>Intelligent Tutoring Systems by Bayesian Nets with Noisy Gates</u>. <i>The International FLAIRS Conference Proceedings. Vol. 35. 2022.</i>- Piatti A., Adorni G., El-Hamamsy L., Negrini L., Assaf D., <i>Gambardella</i>- L. & Mondada F., <u>The CT-cube: A framework for the design and the assessment of computational thinking activities</u>. <i>Computers in Human Behavior Reports (2022).</i>- Antonucci A., Mangili F., Bonesana C., Adorni G., <u>A New Score for Adaptive Tests in Bayesian and Credal Networks</u>. <i>European Conference on Symbolic and Quantitative Approaches with Uncertainty. Springer, Cham, 2021. p. 399-412.</i>• Teaching assistant of courses:<ul style="list-style-type: none">- <i>Data Analytics</i>, Spring 20/21 (EN), under the supervision of professor <i>Fabio Crestani</i> (MSI and MAI programs)- <i>Introduction to Artificial Intelligence e ML</i>, Autumn 21/22 (IT), under the supervision of professor <i>Cesare Alippi</i> (MSII program)- <i>Machine Learning</i>, Spring 21/22 (EN), under the supervision of professor <i>Cesare Alippi</i> (BSc and MFT programs)
Education	09/2019-11/2020	Master of Science in Informatics, Double Degree, USI - Università della Svizzera italiana (Lugano, Switzerland) <ul style="list-style-type: none">• Final dissertation title: <i>Simulation of robot swarms for learning communication-aware coordination</i>• Overall evaluation: summa cum laude (9.07/10)• Focus on Machine Learning, Artificial Intelligence, Deep Learning, Robotics• Thesis work available at: https://github.com/GiorgiaAuroraAdorni/learning-robot-swarm-controllers
	09/2018-10/2020	Master of Science in Computer Science, Double Degree, Università degli Studi di Milano-Bicocca (Milan, Italy) <ul style="list-style-type: none">• Final degree mark: 110L/110• Focus on Machine Learning, Data Analytics, Probabilistic Models for Decisions• Teaching assistant at Università degli Studi di Milano-Bicocca of course:<ul style="list-style-type: none">- <i>Probability and Statistics</i>, 19/20 and 20/21 (IT), under the supervision of professor <i>Fabio Stella</i> (BSc MAI program)
	09/2015-07/2018	Bachelor of Science in Computer Science, Università degli Studi di Milano-Bicocca (Milan, Italy) <ul style="list-style-type: none">• Final dissertation title: <i>Neural networks for learning personality traits from natural language</i>• Final degree mark: 105/110
Professional experience	11/2018-05/2019	Data Scientist intern as at Digital 360 - partner4innovation (Milan, Italy) <ul style="list-style-type: none">• Preparation and analysis of large amounts of data using R and PowerBI• Optimisation of business processes through Process Mining techniques, using ProM and Apromore• Development of Machine Learning models with TensorFlow in Python.• Creation of chatbots with Dialogflow
	03/2018-07/2018	Machine Learning researcher at MAD Laboratory, Università degli Studi di Milano-Bicocca (Milan, Italy) <ul style="list-style-type: none">• 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) <ul style="list-style-type: none">• Students support during courses and exams• IT technical assistance to students and professors
Languages		Italian mother-tongue; English C1; French B1; Spanish A2.
IT skills		<ul style="list-style-type: none">• Web Development: HTML/CSS, MySQL, PostgreSQL, JavaScript, React.• Programming Languages: Python, Java, R, JavaScript;• Scientific Languages: LaTeX, MATLAB, Mathematica;• Machine Learning: PyTorch, TensorFlow, Keras;• Tools: Jupyter, Numpy, Pandas, Seaborn;• Robotics: ROS, Gazebo, Enki;• Others: Common Lisp, Prolog, Dialogflow, PowerBI, Signavio, ProM, Apromore;
Interests		Potography, Drones, Cycling, Swimming, Music