

# Leo D'AMATO

## Ph.D. Researcher | AI

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📍 Pescara, Italy





I'm currently a Ph.D student at the ISTC-CNR, the Institute for Cognitive Sciences and Technologies of the Italian National Research Council. My scholarship belongs to the first cycle of the Italian National Ph.D Program in Artificial Intelligence and my research is mainly focused on multi-agent systems whose agents are endowed with deep cognitive skills. Besides this, I'm interested in Natural Language Processing and High Performance Computing.

## PROFESSIONAL EXPERIENCE

Feb 2022  
Milano, Italy

### Lecturer Talent Garden Innovation School

I give the lectures of the Statistics module of the Business Data Analysis Master organized by Talent Garden Innovation School.

Apr 2021 - Oct 2021  
Cagliari, Italy

### Data Scientist Linkalab s.r.l.

I was in charge of developing and applying natural language processing techniques to automatically monitor, in real time, the reputation of one of our customers on social networks.

- Social listening
- Data cleaning and analysis
- Sentiment and emotion analysis, text classification, clustering
- Anomaly detection and smart alerting in case of reputational crisis

Feb 2021 - Mar 2021  
Pescara, Italy

### Data Scientist Fater s.p.a.

I was in charge of developing an algorithm to efficiently plan promotional activities of Fater's products. The project was particularly challenging because of the underlying complex promotion's dynamics, the huge amount of data involved and their heterogeneous nature.

- Retrieve data from multiple heterogeneous sources
- Process and organize very-low-quality data
- Design of custom algorithms to detect and evaluate past promotional activities

## EDUCATION

Ph.D.  
2021 - Today  
Italy

### Italian National Research Council (CNR) Artificial Intelligence *Italian National Ph.D. Program in Artificial Intelligence*

My research is mainly focused on multi-agent systems whose agents are endowed with deep cognitive skills like perception, learning and planning. An interesting industrial application of this topic is represented by the SORTEDMOBILITY project, an Horizon 2020 project in which I'm involved in and which aims to develop a self-organized and decentralised rail traffic management system.

<b>Master's degree</b> 2018 - 2020 France	<b>Université Côte d'Azur and University of L'Aquila</b> <b>Mathematics (LM-40)</b> <i>MathMods double master's degree program</i>  Thesis Title : Mean Field Games on finite state space Supervisor : François Delarue Graduation Date : 2020-09-22 Final Degree Mark : 110/110 cum laude
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<b>Erasmus</b> 2019 Germany	<b>Universität Hamburg</b> <b>Erasmus Traineeship</b> <i>MathMods double master's degree program</i>
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<b>Bachelor's degree</b> 2015 - 2018 Italy	<b>University of L'Aquila</b> <b>Mathematics (L-35)</b>  Thesis Title : Random Walk and Heat Equation Supervisor : Anna De Masi Graduation Date : 2018-07-21 Final Degree Mark : 110/110 cum laude
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## OTHER TRAINING COURSES

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Oct 2020 - Gen 2021 Milan, Italy	<b>Data Science &amp; Artificial Intelligence Master</b> <b>Talent Garden Innovation School</b>  The master is organized in 3 main modules : <ul style="list-style-type: none"> <li>➤ ADVANCED MACHINE LEARNING &amp; CLOUD COMPUTING : introduction to the main Python libraries (Pandas, Numpy etc.) for advanced manipulation and analysis of data through the main machine learning algorithms. The module also provides an introduction to Linux systems, the execution of remote query of large masses of data, the recovery of data from websites through web scraping techniques and an introduction to the concept of cloud computing using AWS.</li> <li>➤ DEEP LEARNING &amp; ADVANCED TOPICS : includes the study of network science and statistics, neural networks and natural language processing to extract complex information from texts, images and other unstructured data.</li> <li>➤ FINAL PROJECT : the last two weeks are dedicated to the realization of a group project commissioned by Groupama Insurance. It is about fraud detection in car insurance using ML algorithms.</li> </ul>
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Sep 2020 Rome, Italy	<b>Trasferimento delle Tecnologie Matematiche per l'Innovazione</b> <b>Italian National Research Council (CNR)</b>  The aim of the course is to train the professional profile of the "Expert in Transfer of Mathematical Sciences and Technologies for Innovation" (in short : Technological Translator). Such a profile was created to facilitate communication and promote collaboration between companies and research centers.
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## LANGUAGE CERTIFICATIONS

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Gen 2020 Aug 2019 Aug 2018	<b>French Language</b> : Cours universitaire de langue française, Université Côte d'Azur <b>German Language</b> : German language and culture for foreigners (level A1), Universität Hamburg <b>English Language</b> : TOEFL PBT, Wayne State University (Detroit, Michigan, USA)
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