

Irene Cannistraci

PhD Student

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SUMMARY

I am a Ph.D. student at La Sapienza and my research concern the application of machine and deep learning methodologies to time series data, in both the financial and healthcare field. I also work as a Coding Coach and Role Model for the Coding Girls project. I previously worked almost 2 years as a software developer engineer for an ITC company.



WORK

Coding Coach, Gen 2021 - present

Fondazione Mondo Digitale

I am working for the [Coding Girls](#) project that supports women in STEM. The job consists in teaching girls/boys how to code and help them to build a website.

Coding WordPress Software Engineering
Role Model AI plugins

Software Developer Engineer, Jun 2017 - Feb 2019

NTT Data Italia

Work on different projects both frontend and backend.

Java Javascript Java frameworks SQL CSS
HTML AngularJS



EVENTS

- I was invited to participate, as a panelist, at the [Women in Data Science \(WiDS\) 2021 ROME event](#)
- Thanks to the Coding Girls program I was invited to participate and to intervene to the [Assemblea delle donne dell'ICT](#).
- As a coding coach, I give a speech to CEFA high school students about women in STEM ([Erasmus+ program](#)).
- As a coding coach, I give a speech to high school students about computer science during the ["Notte dei Ricercatori"](#) event.



SKILLS

Languages: Python, Java, JavaScript, SQL, HTML, CSS

Tools: PyTorch, Keras, OpenCV, NumPy, Pandas, NetworkX, Matplotlib, Scikit-learn

Other: Git, Pytorch, PostgreSQL, Algorithms, Data Analysis, Data Cleaning, Machine Learning, Deep Learning, Neural Networks



SOFT SKILLS

Communication, Team work, Adaptability, Autonomy, Problem solving and Creativity.



EDUCATION

Computer Science, Nov 2020 - current

PhD, La Sapienza University, Italy (RM)

I am working on machine and deep learning models using temporal data

Computer Science, Sept 2018 - Oct 2020 110 with honor

Master, La Sapienza University, Italy (RM)

Thesis Time-Aware Sequential Deep Methods and Their Applications in Healthcare

Computer Science, Sept 2014 - Mar 2017

Bachelor, La Sapienza University, Italy (RM)



UNIVERSITY PROJECTS

- **A YouTube Player for Everyone:** a system that can be used by person with disabilities (deaf and dumb).
- **Predicting hospital readmission** using patients' clinical history.
- A Machine Learning Application in Healthcare: **Cervical Cancer Biopsy Response Classification**.
- **Mining Evolving Topics:** understanding relations between topics in social networks.
- **Bas2Net:** a combination of two relevant state of the art works in Salient Object Detection.
- **House Prices:** Advanced Regression Techniques *Gradient Boosting Regressor and XGBRegressor*.
- Analysis of **Triangle Counting algorithm** in Hadoop MapReduce.



LANGUAGE SKILLS

Mother tongue: Italian

Others: English



ACTIVITIES / INTERESTS

Proactive and happy about learning diverse things. Favorite sports are CrossFit, Hiking, Mountain Biking and Climbing. I also love cooking, reading, and photography.