



FRANCESCO MORRI

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francescomorri francescomorri.github.io

CODING SKILLS



LANGUAGES

Italian: **Native**
English: **Fluent**
French: **Intermediate**

ABOUT ME

I am interested in Machine Learning, AI and complex systems behaviour. More in general, I like to model and predict the outcome of real world, complex problems involving multiple agents using intelligent and explainable algorithms. I learned many analytical and numerical techniques during my Bachelor and Master, and in the future I would like to apply them to the implementation of new algorithms.

EDUCATION

BSc | Universtà di Bologna

- Oct 2017 – Sep 2020 Bologna, Italy
- Supervisor: Prof. Rita Fioresi
 - Thesis: A thermodynamic approach to deep learning

MSc | Sorbonne Université

- Sep 2021 – Jul 2022 Paris, France
- Program of the Master (i-PCS track)
 - Final Mark: 16/20 (*Très Bien*)

MSc | Politecnico di Torino

- Sep 2020 – Oct 2022 Turin, Italy
- Program of the Master (International Track)

Visiting Student | SISSA & ICTP

- Sep 2020 – Jan 2021 Trieste, Italy

Spring College in Complex Systems | ICTP


- Feb 2022 – Mar 2022 Trieste, Italy
- List of Courses

EXPERIENCE

Research Internship | IPhT (CEA Saclay)

- Mar 2022 – Jul 2022 Paris, France
- Supervisor: Pierfrancesco Urbani
 - The project concerns the study of simple algorithms to solve continuous constraint satisfaction problems close to their satisfiability transition. It will consist in a numerical part with simulations and, time permitting, an analytical part.

PUBLICATIONS

On the Thermodynamic Interpretation of Deep Learning System | 

 2021

- Nielsen, F., Barbaresco, F. (eds) Geometric Science of Information. GSI 2021. Lecture Notes in Computer Science(), vol 12829. Springer
- Authors: Rita Fioresi, Francesco Faglioni, Francesco Morri, Lorenzo Squadrani