



FRANCESCO MORRI

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CODING SKILLS

C++ ROOT MPI
Python Numpy PyTorch
JavaScript p5.js

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.

EDUCATION

BSc | Università di Bologna

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

Visiting Student | SISSA & ICTP

- 📅 Sep 2020 – Jan 2021 📍 Trieste, Italy

MSc | Politecnico di Torino

- 📅 Sep 2020 – Oct 2022 📍 Turin, Italy
- Program of the Master (International Track)
 - Final Mark: 110/110 *cum laude*

MSc | Sorbonne Université

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

Spring College in Complex Systems | ICTP

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

PhD | Inria-Lille, INOCS Team

- 📅 Oct 2022 – Ongoing 📍 Lille, France
- AI_PHD@Lille grant

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