



FRANCESCO MORRI

CURRICULUM VITAE



Born / 19/11/1998 Age / 22
Place of birth / RIMINI (RN)
Nationality / citizenship / Italy
Via Goldoni 24, 47921 RIMINI (RN)
Via Goldoni 24, 47921 RIMINI (RN)
Driving licence / B
ID / 5212978 updated on 16/07/21

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SOFT SKILL

Autonomy 8/10
Self confidence 8/10
Flexibility/Adaptability 10/10
Resistance to stress 9/10
Ability to plan and organize 8/10
Managing information 8/10
Precision/Attention to details 8/10
Learn continuously 9/10
Achievement of objectives 8/10
Entrepreneurial spirit and initiative 7/10
Communication 7/10
Problem Solving 8/10
Team work 10/10
Leadership 8/10


FOREIGN LANGUAGE SKILLS

MOTHER TONGUE(S): Italian



ENGLISH
GOOD B2 B2 B2 B2 B2

DIGITAL COMPETENCES

Self-assessment grid 
Information processing **Independent user**
Communication **Independent user**
Content creation **Basic user**
Safety **Basic user**
Problem solving **Independent user**

EXPECTATIONS AND FEATURES OF THE DESIRED JOB

INTENTION TO CONTINUE STUDIES: **Yes** / Graduate studies
ECONOMIC SECTOR: **1.** education, training, research and development / **2.** computer science, data processing and acquisition / **3.** aeronautics, aerospace, shipbuilding
CAREER FIELD: **1.** Engineering and design / **2.** R&D and patents / **3.** Organization
DESIRED JOB: **University research assistant**

Career Goal

I would like to be able to apply the knowledge and tools acquired in these years of study to research and development, mainly concerning the field of physics, with the aim of advancing the study of this subject. In particular, my interest is towards research on artificial intelligence and its development.



ACADEMIC STUDIES

MASTER'S DEGREE
2020 - 2022
ONGOING STUDIES



Politecnico di TORINO
Dipartimento di Scienza Applicata e Tecnologia
Corso di laurea magistrale in physics of complex systems
LM-44 - 2nd level degree in Mathematics and physics: modelling for engineering
Expected graduation date: 2022

BACHELOR'S DEGREE
2017 - 2020
CERTIFIED TITLE



Alma Mater Studiorum - Università di Bologna
Scuola di Scienze
Fisica
L-30 - 1st level degree in Physics
Dissertation/thesis title: A thermodynamic approach to deep learning | Thesis supervisor: FIORESI RITA
Age at graduation: 21 | Official duration: 3 years
Final degree mark: **110/110**
Graduation date: 18/09/2020



FOREIGN LANGUAGE SKILLS

DIPLOMAS AND CERTIFICATES

English First Certificate, Cambridge English, 11 Jul 2016 , **Europass** level B2



INFORMATION TECHNOLOGY SKILLS

OFFICE AUTOMATION

Office Suite: (Advanced) | **Presentation Software:** (Intermediate) | **Spreadsheets:** (Advanced) | **Web Browser:** (Intermediate) | **Word Processors:** (Advanced)

COMPUTER PROGRAMMING

Markup languages: CSS (Foundation) , HTML (Intermediate) | **Programming languages:** C++ (Advanced) , JavaScript (Foundation) , Python (Advanced)

SYSTEMS AND NETWORKS MANAGEMENT

Operating systems: (Advanced)

ICT CERTIFICATES

Certified LabView Associate Developer National Instrumets, 06/03/2019



PUBLICATIONS

CONFERENCE PROCEEDINGS

Rita Fiorese, Francesco Faglioni, Lorenzo Squadrani, Francesco Morri,

PREFERRED DISTRICT TO WORK IN: **1.**
ABROAD / 2. ABROAD

AVAILABILITY FOR BUSINESS TRAVELS:
Yes, including relocation

AVAILABILITY TO RELOCATE ABROAD:
Yes, even in non-European countries

2021

On the Thermodynamic Interpretation of Deep Learning Systems
Organization: Springer, Cham
In the study of time evolution of the parameters in Deep Learning systems, subject to optimization via SGD (stochastic gradient descent), temperature, entropy and other thermodynamic notions are commonly employed to exploit the Boltzmann formalism. We show that, in simulations on popular databases (CIFAR10, MNIST), such simplified models appear inadequate.
link.springer.com/chapter/10.1007%2F978-3-030-8...