



MARCELLO ZANGHIERI

CURRICULUM VITAE



Born / 20/09/1992 Age / 29
Place of birth / CARPI (MO)
Nationality / citizenship / Italy
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CAMPOGALLIANO (MO)
Driving licence / B / Car available
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FOREIGN LANGUAGE SKILLS

MOTHER TONGUE(S): Italian



ENGLISH EXCELLENT	C1	C1	C1	C1	C1
FRENCH GOOD	B2	B2	B2	B2	B2
SPANISH LIMITED	A2	A2	A2	A2	A2

EXPECTATIONS AND FEATURES OF THE DESIRED JOB

INTENTION TO CONTINUE STUDIES: **Yes** / Doctoral studies

AVAILABILITY FOR BUSINESS TRAVELS: **Yes, including relocation**

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



WORK EXPERIENCES

Teaching assistant of 'Architectures & Programming of Electronic Systems'

UNIVERSITY OF BOLOGNA

Computer science, data processing and acquisition
BOLOGNA (BO)
03/2022 - TODAY

Main activities and responsibilities: Teaching assistant
| Company sector: Human Resources

PhD Student and Research Fellow

UNIVERSITY OF BOLOGNA
Computer science, data processing and acquisition
BOLOGNA (BO)
11/2019 - TODAY

Main activities and responsibilities: Energy-efficient Deep Learning for time-series, biosignals and Human-Machine Interaction
Acquired skills and achieved objectives: Programming, team work, scientific writing, peer-review, communication and dissemination, teaching, tutoring/mentoring
Employed as: other - fixed-length contract | Company sector: R&D and patents

Scholarship for new-graduated

ADVANCED RESEARCH CENTER ON ELECTRONIC SYSTEMS (ARCES)
Computer science, data processing and acquisition
BOLOGNA (BO)
06/2019 - 10/2019

Main activities and responsibilities: Deep Learning methodologies for Time-Series for Human-Machine Interaction
Acquired skills and achieved objectives: Deep learning algorithms, team work, technical English, scientific writing and peer-review process
Employed as: intern/trainee - internship | Company sector: R&D and patents

Tutor of General Physics - university level

FONDAZIONE COLLEGIO SAN CARLO
Education, training, research and development
MODENA (MO)
04/2017 - 07/2017

Main activities and responsibilities: Tutoring for university exams in General Physics
Acquired skills and achieved objectives: Tutoring, planning, teaching, effective communication of technical topics
Working as: employee collaborator | Company sector: Human Resources

Undergraduate Internship

UNIVERSITÀ DI MODENA E REGGIO EMILIA

Computer science, data processing and acquisition
MODENA (MO)
05/2014 - 09/2014

Main activities and responsibilities: Introduction to Quantum Information and Computation and study of the scientific literature. Implementation and usage of algorithms simulating electron transport. Writing and defense of the Bachelor's degree thesis.
Acquired skills and achieved objectives: Coding, team work, autonomy, planning, technical writing.
Employed as: intern/trainee - undergraduate internship | Number of hours: 160 | Company sector: R&D and patents



ACADEMIC STUDIES

MASTER'S DEGREE

2015 - 2019
CERTIFIED TITLE



Alma Mater Studiorum - Università di Bologna Scuola di Scienze Master's degree in physics

specific field of the degree course: fisica applicata
LM-17 - 2nd level degree in Physics

Dissertation/thesis title: sEMG Hand Gesture Recognition with Deep Learning | Dissertation/thesis subject: Data Analysis and Machine Learning | Thesis supervisor: REMONDINI DANIEL

BACHELOR'S DEGREE
2011 - 2014
CERTIFIED TITLE



Age at graduation: 26 | Official duration: 2 years
Final degree mark: **110/110 cum laude**
Graduation date: 22/03/2019

Università degli Studi di MODENA e REGGIO EMILIA
Dipartimento di Scienze Fisiche, Informatiche e Matematiche
Bachelor in physics

L-30 - 1st level degree in Physics

Dissertation/thesis title: Diffusion of two interacting particles on a 1-dimensional lattice with and without noise | Dissertation/thesis subject: Quantum Mechanics | Thesis supervisor: BORDONE PAOLO

Age at graduation: 22 | Official duration: 3 years
Final degree mark: **110/110 cum laude**
Graduation date: 26/09/2014

SCIENTIFIC CERTIFICATE
MODENA
2011

Scientific High School
TASSONI, MODENA (MO)
School-leaving examination mark: **100/100**
Kind of secondary school diploma: Italian secondary school diploma
Kind of secondary school attended: Public school



FOREIGN LANGUAGE SKILLS

DIPLOMAS AND CERTIFICATES

English IELTS 7.0, Cambridge English Language Assessment, British Council, IDP Education, 2014, **Europass level C1**
French DELF B2 (Diplôme d'études en langue française), Centre international d'études pédagogiques (CIEP), Ministère de l'Éducation nationale, Jun 2015, **Europass level B2**



INFORMATION TECHNOLOGY SKILLS

COMPUTER PROGRAMMING

Markup languages: LaTeX | **Programming languages:** C, Fortran, MATLAB, Octave, Python, R

SYSTEMS AND NETWORKS MANAGEMENT

Operating systems: (Intermediate)

DATA MANAGEMENT

Big Data: Apache Cassandra (Foundation), Apache Spark (Foundation) | **DBMS:** (Foundation)

GRAPHICS AND MULTIMEDIA

(Foundation)