

FRANCESCO TAURONE

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francescotaurone.github.io Date of Birth: 20/12/1994



ABSTRACT

Automation Engineer, eager to learn and apply knowledge. Passionate advocate of interdisciplinary teams and teamwork. Having experienced machine automation, I would like to specialize in the relation between SW, electronics and distributed devices. My goal is to have a net positive impact on what surrounds me through my job.

WORK EXPERIENCE

SW Engineer

Coesia, Coesia Engineering Center (CEC)

Sept 2020 – ongoing Bologna, Italy

- PLC SW developer for automatic machines, mainly Beckhoff and Bosch technologies
- SW for vision systems and machine accessories
- International clients and work environment

Automation

SW Engineer

PwC Italy

March 2020 – July 2020 Milan, Italy

- Development of risk analysis tools for banks

Python

Security

Open Innovation Program, CBI project

Almacube & CERN

Sept 2018 – Feb 2019 Bologna, Italy & Geneva, Switzerland

- Collaboration between University of Bologna and CERN researchers for the development of innovative solutions to daily problems. Team: "Housing for old people"
- 3 weeks at CERN
- Collaborations with 15 companies interested in the project
- Creation of "Magna", a meal sharing platform for elders and university students

Team-Working

Multidisciplinary

Social impact

Design Thinking

Computer Vision project

T3Lab

Feb 2018 Bologna, Italy

- Facial recognition project: I deployed neural networks for a security driven application.
- I wrote the code in python and trained the models.

Python

Tensorflow

Computer Vision

Internship – Product Manager Assistant

Datalogic

Feb 2017–Jun 2018 Monte San Pietro, Italy

SKILLS

Programming languages

- Python (OpenCV, APIs, etc)
- C# and C
- PLC languages (ST, SFC)
- MATLAB & Simulink
- Git

Control theory

- Robotic arms control
- Drives control and simulations
- System identification

Computer Vision

- Deep learning (Tensorflow)
- Pose estimation
- Augmented reality (ARCore)

Softskills

- TeamWork
- Flexibility
- Eager Learner

LANGUAGES

English IELTS 7.5

Chinese HSK4 ~B2

Italian Native

AWARDS

* "Adecco" award - Best 50 young talents - Italy
Selected among 15.000 italian candidates.

* Excellence scholarship from University of Bologna
Based on academic results.

* Youth Merit Award by Rotary Club in Bologna
For scholastic proficiency.

- I assisted the product manager for the launch of a new laser scanner.
- I was responsible for writing the technical manual, while being involved in tests and commercial evaluations.

Product management

Technical writing

Internship – Management of Photovoltaic Plants

Illum China 意路姆

📅 Sep 2016 – Feb 2017

📍 Shanghai, China

- I assisted an Italian entrepreneur in Shanghai with analysis, design and management of photovoltaic power plants.
- I learned leadership strategies for managing projects in multidisciplinary and multicultural teams, while grasping the meaning of entrepreneurship and initiative.

Multicultural

Economic Analysis

EDUCATION

Industrial Engineer, national licence

University of Bologna

🎓 Score: 60/60

📅 Jul 2021

D20Leader, training program on leadership

Fondirigenti & Confindustria

📅 Jan 2020 – Apr 2020

📍 Prato, Firenze, Italy

- Funded course for 50 young leaders, divided in residential period with frontal lessons and study tours in Israel and Brussels.

Leadership

Multidisciplinary

Master degree in Automation Engineering

University of Bologna

🎓 Score: 110/110 cum Laude

📅 Sept 2017 – Jul 2019

📍 Bologna, Italy

- International curriculum in English language
- Thesis: "3D Object Recognition from a Single Image via Patch Detection by a Deep CNN"

Python

Deep learning

App for augmented reality

Alumnus of "Collegio Superiore"

University of Bologna

📅 Sept 2017 – Sept 2020

📍 Bologna, Italy

- School of Excellence in University of Bologna, part of the Institute for Advanced Studies (ISA).
- Parallel curriculum with additional interdisciplinary courses and exams

Double bachelor degree in "Automation Engineering"

University of Bologna &

Tongji University "同济大学"

🎓 Score: 110/110 cum Laude

📅 Sept 2013 – Jul 2016

📍 Bologna, Italy & Shanghai, China

- International curriculum in English language
- 1.5 years spent in Shanghai, ranked 1st out of 12 for the admission to the program.
- Thesis: "Design of an AC inductor for phase shifted zero voltage switching converter"

Scientific Diploma

A.B. Sabin High-school

🎓 Score: 100/100

📍 Bologna, Italy

PERSONAL PROJECTS

▶ Le Tende Di Baden - Video-Game on GooglePlay

Solo developer project, video-game for android made with unity. It was fun to integrate code development and artistic work, since all the drawings were self made.

▶ Telegram Bot

Bot for photo management and Google Drive uploads for a Team of 50 people

I had the chance to familiarize with web hosting, RestAPIs, TelegramAPIs.

OTHER INTERESTS

Djembe & guitar - for ceremonies

Scout - Agesci (italian association)

VideoGame Development - Unity