



MARCO FAVA

PhD Student in MECHANICAL ENGINEERING

EXPERIENCES

Engineering Consultant, Alma Mater Studiorum, Bologna (BO-Ita) NOV 2022- TO DATE
I do consultancy work to improve my skills and learn new simulation or prototyping software to solve the problems of companies that require the university's advice.

Library volunteer, Diocese of Jesi, Jesi (AN-Ita) OCT 2019 – APR 2022
Book catalog management, management of the study area for students. I develop skills such as cataloguing books makes inventory, team working and problem solving.

Children's Karate trainer, Monte San Vito (AN-Ita) SEPT 2019 – JAN 2022
I took the certification to become a trainer of karate. I opened a course in a local elementary school and I saw some of the difficulties I learnt in university about Starts up also in this unusual field.

Classe Virtuale, Loccioni Group, Angeli di Rosora (AN-Ita) JUN – JUL 2015
It was an high school project. We developed and manufactured a didactic game console to attract the interest of children in bees' preservation.

EDUCATION

DOCTORATE - Università di Bologna and Tech S.r.l., Bologna (AN-Ita) NOV 2022- TO DATE
PhD with PNRR programme, in collaboration with an engineering company called Tech S.r.l. with headquarters in Via Camillo Benso Conte di Cavour, 2, 40055 Villanova BO. The main objective of this PhD is the design of a laparoscopic instrument for minimally invasive surgery.

MASTER DEGREE - Università Politecnica delle Marche, Ancona (AN-Ita) 2020 – 2022
Master degree in Mechanical Engineering. I'm trying to take this degree exploiting the majority of opportunities that the university gives.

- **Thesis - Erasmus +, Hannover (DE) / April 2022 – September 2022**

I The master thesis was about Collaborative Object Transport using two Holonomic Mobile Robots in collaboration with the Leibniz University of Hannover. The main theme was to programme the two robots and to create and design a particular platform that allows small movements but at the same time connects the robots and supports a person.

BACHELOR DEGREE - Università Politecnica delle Marche, Ancona (AN-Ita) 2016 – 2020
Bachelor's degree in Mechanical Engineering taken in Febraury of 2020. I attended general courses mainly focused on mechanical design and materials. It gave me the opportunity to learn another language (French) in an Erasmus Program.

- **Thesis**

The analysis, optimisation and rapid prototyping of supports for the robotic handling of intravenous therapy bags was the subject of my thesis, developed in collaboration with Gruppo Loccioni, a local company. I studied and standardised a fluid bag holder for a medical machine.

- **Contamination Lab**

C-Lab is a University project to learn more about how to build new enterprises. With a team of students of different faculties, we studied the economic viability of a green product developed by us and named "Eat's Easy".

- **Erasmus +, Lille (FR) / January 2017 – June 2018**

I attended the IUT-A ("Institut Universitaire de Technologie"), learned a new language and studied in a different way. With this experience my way to see things changed.

HIGH SCHOOL - IIS Volterra-Elia, Ancona (AN-Ita) 2011 – 2016

Specialisation in Mechanical, Mechatronics and Energy. It gave me the capacity to work in teams also multi-ethnic ones.

- **English4U and MINT Erasmus+, UK/Poland/Hungary 2015-2016**

High school projects that learnt me to use better CAD programs and to have my first contacts with foreign people.

- **Toyota Technical Education Program (TTEP), 2015**

A project that allowed me to understand and manage the mechanical and electronic parts in the automotive industry.

LANGUAGES

Mother tongue:
Italian

2° Language :
**English B2 Upper
intermediate Level**

3° Language:
**French B1
Intermediate Level**

SKILLS & KNOWLEDGES

Problem solving, Team working, Flexibility, Interpersonal awareness, Multi-tasking, Intercultural awarness.

Advanced:

MS Office suite - ECDL Certification (2016); Solidworks; Solid-edge; SimaPro; NX; Creo8

Basic: Trello; Catia;

Autocad; MatLab; Gabi; Photoshop

CONTACTS



Viale del Risorgimento, 2
40136 Bologna DIN Department



marco.fava6@unibo.it



+39 051 20 9 3451



/marco-fava-1989b8168

