



MECHATRONICS ENGINEER

# MATTEO VERZELETTI

## PERSONAL DATA

Date of birth: 23/11/1999

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**PERSONAL PORTFOLIO:** [matteoverzeletti.it](https://matteoverzeletti.it)

## GENERAL OVERVIEW

Bachelor's degree in Industrial Automation Engineering, with several years of team working and team leading experience thanks to the Motostudent university project. Currently a Master's degree student in Mechatronics Engineering, with Double Degree thanks to Time Programme.

## AREAS OF COMPETENCE

- 3D Modeling (SolidWorks, Fusion 360, nTopology)
- Programming (Java, C, Python)
- Machine Learning
- Latex text editor
- Working experience using PowerPoint ed Excel
- Good knowledge of Matlab
- Basic knowledge of LabView

## SOFT SKILLS

- SELF-MOTIVATION
- LEADERSHIP
- RESPONSIBILITY
- TEAMWORKING
- FLEXIBILITY
- PROBLEM SOLVING
- DECISIVENESS

## WORKING EXPERIENCES

### DIVISION LEADER

OCT 2018 – JUL 2020

**Unibs Motostudent, Brescia**

I was chosen as a Division Leader to coordinate a group of colleagues in the development of the Powertrain System and to achieve maximum performance from our prototype. In particular, I was responsible for the exhaust system.

### SUMMER SEASONAL WORK

2015 – 2022

**Brescia and Riccione**

I started as an animator, and thanks to my experience I became responsible for animation. I improved my skills in interpersonal relationships and in coordinating a team.

### DRIVER (RIDER)

MAY 2019 – MAR 2021

**Rezzato (BS)**

Initially, I managed orders and made deliveries for the Mimosa pizzeria. Later, I performed the same task for a larger company, the Sbaff restaurant.

### INTERN

JUL 2017 – AUG 2017

**Engineering office Eng. Papa, Rezzato (BS)**

I assisted and helped during the design and bureaucracy phases of the studio.

### TUTOR

2017 – NOW

**Brescia and online**

I've been teaching Maths and Physics to high school students, providing them a support in their studies for a better understanding of the subjects.



## EDUCATION

### Master's Double Degree Programme

**Instituto Superior Técnico (IST), Lisboa** 2023–o.g.

Double Degree program in Mechanical Systems Engineering

Thesis title: Hybrid Ankle Exoskeleton using Electrical

Stimulation and Mechanical Actuation

### Master's degree in Mechatronics Engineering

**Università degli Studi di Trento** sep 2022 – on going

In progress

### Bachelor's degree in Industrial Automation Engineering

**Università degli Studi di Brescia** sep 2018 – may 2022

Regularly graduated with grade 96/110.

Thesis title: Design and dimensioning of an anthropomorphic robotic arm.

## LANGUAGES

- English C1
- Spanish A2
- Portuguese B1
- Italian C2

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## HOBBIES

- Track & Field
- Football
- Motorsport
- Travels
- Reading books
- Robotics
- Board games
- Surfing
- Photography

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## PROJECTS

### SOLVER – FINALIST

**MAR 2025**

#### TecStorm – Técnico innovation Center (Lisboa)

I participated at the finals of the Portuguese National competition TecStorm, with a team of 3 engineers, reaching the second place. It's an hackathon aimed to the creation of a startup in three working days. Our startup (EnviroSync) was in the field of Sustainable Smart Construction. Our goal is to optimize energy efficiency using a system of multiple devices: thanks to several sensors we can collect data (i.e. air temperature, humidity, vibrations,...) that are constantly analyzed by a trained AI, able to send reports when detecting problems. Moreover, we also developed a website (online platform) where the user can access to live data and to the history of recordings, but also to choose between other functions, like instantly generating a report.

### SOLVER – FINALIST

**APR 2024**

#### TecStorm – Fundação Champalimaud (Lisboa)

I participated at the finals of the Portuguese National competition TecStorm, with a team of 4 engineers. Our startup was in the field of Data-Driven Sustainable Mobility Solutions and we developed an app (ParkMe) able to predict the number of free slots in a parking, based on AI algorithms, in a certain area and at a certain time, both decided by the user, and allowing them to book it if needed. Moreover, we developed the Business Model, enriching me with new knowledge in the economic field, too.

### SOLVER

**FEB 2023 – MAY 2023**

#### ProtoChallenghe by HIT – HubInnovationTrentino (NTP NanoTechProjects, Rovereto)

I worked with a team of six students from the University of Trento in collaboration with the company NTP Nano Tech Projects s.r.l. The goal was to re-design some components (to reduced weight and to try Additive Manufacturing techniques of realization) of the NED-Digital Pathology machine, as well as to study an alternative configuration to fix internal issues.