

MATTIA PIAZZA

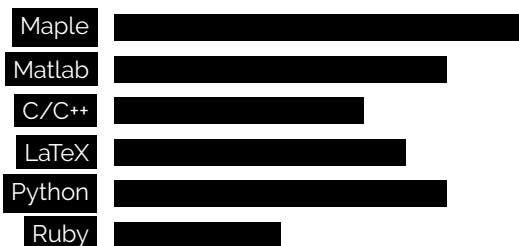
Researcher
Mechatronics Engineer

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WHO AM I?

I am a passionate mechatronics engineer who likes challenges and is always looking for personal growth opportunities. I am a determined man that is not afraid to leave his comfort zone to achieve goals and results. I am curious and always looking beyond appearances trying to optimise and put my best effort at everything I do. From the professional point of view, I am an expert in modelling and control of mechatronic systems with a particular focus at optimal control.



WORKING EXPERIENCES

- Sept. 2021-Present **Teaching assistant** **University of Trento**
Teaching assistant for courses of "Sistemi Meccanici e Modelli" e "Fondamenti di Meccanica" In collaboration with Prof. Mauro Da Lio and Prof. Emiliano Rustighi.
- Gen. 2021-Present **Research grant (Decree n. 205/2020)** **Università di Trento**
Title: "Solution algorithms comparison for minimum-time optimal control problems for racing vehicles"
Supervisor: Prof. Francesco Biral.
- Jun.-Nov.2020 **Research scholarship (Decree n. 74/2020)** **University of Trento**
Research scholarship addressed to recent graduates.
Title: "Minimum Time Manoeuvres of complex vehicle models described with DAE".
Supervisor: Prof. Francesco Biral.
- Sept.-Dec. 2019 & Sept.-Dec. 2018 **Tutorship specific areas for mechanics and mechatronics** **University of Trento**
Frontal lesson, lecture notes and exercises in English for freshmen students of the MSc in Mechatronics Engineering.
Supervisors: Prof. Francesco Biral e Prof. Enrico Bertolazzi.
- Apr.-Jun. 2019 **Video-lectures for the tutorship of mechanics and mechatronics** **University of Trento**
Development of video-lectures for the University with topic: linear algebra, scientific calculus, probability/statistics and mechanics.
Supervisors: Prof. Daniele Fontanelli e Prof. Francesco Biral.
- Jun.-Sept. 2017 Internship **Internship in Quality Control department** **SIAP s.p.a. gruppo CARRARO**
Precision measurements of mechanical components, development of sequential charts, specific control plans (SPC), CCP, measurements for capability analysis (Cp, Cpk, etc.).
- Jun.-Sept. 2013 & Jun.-Sept. 2012 **Plumber apprentice** **DE NARDO ALESSANDRO IMPIANTI TERMOIDRAULICI**
Plumber apprentice during summer season.

EDUCATION

- Dic. 2020 **Professional qualification to practice as an engineer** **University of Trento**
Industrial Engineer
- 2017 - 2020 **Master of Science degree in Mechatronics Engineering** **University of Trento**
Curriculum mechanics e mechatronics. MSc offered entirely in English.
Main courses: modeling and simulation of mechatronics systems, dynamic and control of vehicles and robots, mechanical design and machine elements, modeling with finite elements, industrial robotics.
Grade:108/110
- 2013 - 2017 **Bachelor of Science degree in Mechanical Engineering** **University of Udine**
Main courses: Thermodynamics and heat transmission, applied mechanics, fluid-dynamics, Turbomachinery, Mechanics of solids and mechanical design, mechanical technology.

2008 – 2013

Scientific High school diploma

Liceo Scientifico "Michelangelo Grigoletti"

High school diploma with curriculum PNI (National Informatics Plan).

KNOWN LANGUAGES

Italian - Native

English - Fluent, C1 level (IELTS)

HOBBIES

I am passionate about IoT, technology and smart gasgets. I build and program small and automated projects with Arduino e Raspberry Pi.


SPORTS

I am an amateur climber and a fairly good skier.

PRIVACY

In compliance with the Italian Legislative Decree no. 196 dated 30/06/2003, I hereby authorize the recipient of this document to use and process my personal details for the purpose of recruiting and selecting staff and I confirm to be informed of my rights in accordance to art. 7 of the above mentioned decree.

Trento, 5th March 2022

A handwritten signature in black ink, appearing to read 'Y. Pizzola'.