

# MATTIA PIAZZA

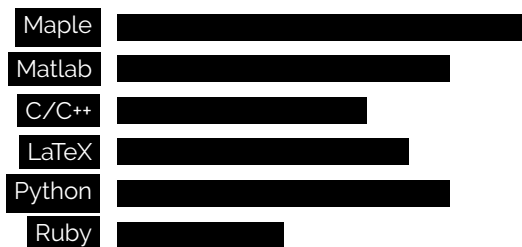
Researcher  
Mechatronics Engineer

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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

- Jun.-Nov.2020 **Research scholarship** **University of Trento**  
Research scholarship addressed to recent graduates (Decree n. 74/2020)  
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

- 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).

## LINGUE

**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.

Maniago, 4th March 2022

A handwritten signature in black ink, appearing to read 'Mattia Pizzolo'. The signature is stylized, with the first name 'Mattia' written in a cursive script and the last name 'Pizzolo' written in a more formal, slightly slanted script.