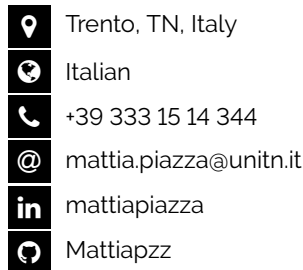


MATTIA PIAZZA

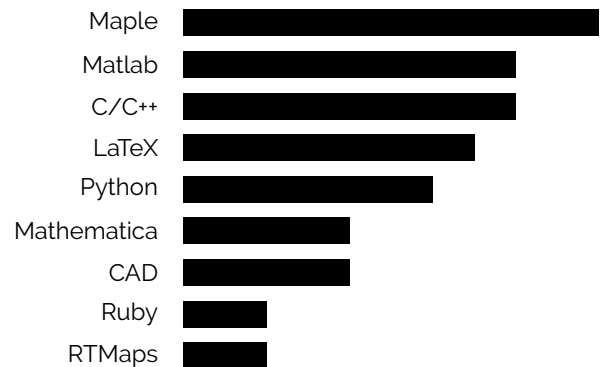
Researcher
Mechatronics Engineer



WHO AM I?

I am a passionate, pragmatic and goal-driven mechatronics engineer always looking for personal growth opportunities and challenges. This guided my academic choices and allowed me to approach the world of autonomous driving. To pursue my passion, I became a University researcher and I had the opportunity to work on optimal control problems and algorithms development for ADAS. I collaborated with partners from the automotive and the motorsport industry. My multidisciplinary education, combined with my interest in practical applications, allows me to address both theoretical and technical aspects of engineering problems. In my work and life, I am always curious, ambitious, open-minded and determined to succeed.

SOFTWARE AND PROGRAMMING SKILLS



WORKING EXPERIENCES

Sept. 2021-Present	Teaching assistant Teaching assistant for courses of <i>"Sistemi Meccanici e Modelli"</i> e <i>"Fondamenti di Meccanica"</i> In collaboration with Prof. Mauro Da Lio and Prof. Emiliano Rustighi.	University of Trento
Gen. 2021-Present	Research grant (Decree n. 205/2020) Title: "Solution algorithms comparison for minimum-time optimal control problems for racing vehicles" Supervisor: Prof. Francesco Biral.	Università di Trento
Jun.-Nov.2020	Research scholarship (Decree n. 74/2020) Title: "Minimum Time Manoeuvres of complex vehicle models described with DAE". Supervisor: Prof. Francesco Biral.	University of Trento
Apr. – Jun. 2019 & Sept.–Dec. 2019 & Sept.–Dec. 2018	Tutorship specific areas for mechanics and mechatronics and Video-lectures Frontal lecturer, notes, exercises and video lecture in English for freshmen students of the MSc in Mechatronics Engineering. The videos are available on the Youtube channel of the DII. Supervisors: Prof. F. Biral, Prof. E. Bertolazzi, Prof. D. Fontanelli, Prof. D. Bortoluzzi	University of Trento
Jun.–Sept. 2017 Internship	Internship in Quality Control department Precision measurements of mechanical components, development of sequential charts, specific control plans (SPC), CCP, measurements for capability analysis (Cp, Cpk, etc.).	SIAP s.p.a. gruppo CARRARO

EDUCATION

Dic. 2020	Professional qualification to practice as an engineer Industrial Engineer	University of Trento
2017 – 2020	Master of Science degree in Mechatronics Engineering Curriculum mechanics e mechatronics. MSc offered entirely in English. Main courses: modeling and simulation of mechatronics systems, dynamic and control of vehicles and robots, automatic control, industrial robotics.	University of Trento Grade:108/110
2013 – 2017	Bachelor of Science degree in Mechanical Engineering Main courses: thermodynamics and heat transmission, applied mechanics, fluid-dynamics, turbomachinery, mechanics of solids and mechanical design, mechanical technology.	University of Udine
2008 – 2013	Scientific High school diploma High school diploma with curriculum PNI (National Informatics Plan).	Liceo Scientifico "Michelangelo Grigoletti"

LANGUAGES

Italian - Native

English - Fluent, C1 level (IELTS)

HOBBIES

It might sound oxymoronic, but I am passionate about technology and nature. I build and program small and automated projects with microcontroller and love to spend time in the mountains.


SPORTS

I am an amateur climber and I practice both alpine ski and ski touring. I also enjoy football and mountain trail running.

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, 11th March 2022

A handwritten signature in black ink, appearing to read 'Mattia Pizzolo'.