

Researcher Mechatronics Engineer Trento, TN, Italy

Italian

+39 333 15 14 344

mattia.piazza@unitn.it

mattiapiazza

Mattiapzz

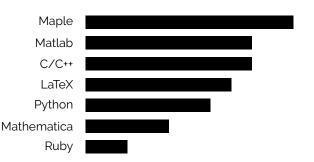


WHO AM I?

I am a passionate, pragmatic and goal-driven mechatronics engineer always looking for personal growth opportunities and challenges. This drove me in my academic choices and allowed me to approach the world of autonomous driving. To pursue my passion, I became a researcher at the University where I had the opportunity to work on optimal control problems and algorithm development for ADAS in collaboration with racing and the industrial world. My multidisciplinary education allows me to address problems both from the physical and theoretical foundation and its technical implementation.

In my work and life, I am always curious, ambitious, openminded and determined to succeed.

SOFTWARE AND PROGRAMMIG SKILLS



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 &

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 Sept.-Dec. 2018

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.).

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 Grade:108/110 robotics.

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).

LANGUAGES

Italian - Native

English - Fluent, C1 level (IELTS)

HOBBIES

It might sound oxymoronic, but I I am an amateur climber and I practice am passionate about technology and nature. I build and program also enjoy football and mountain trail small and automated projects with running. microcontroller and love to spend time in the mountains.

SPORTS

both alpine ski and ski touring. I

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

2 12530