



# Tommaso Bocchietti

MECHANICAL ENGINEERING STUDENT AT POLITECNICO DI MILANO

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“Get things done!”

## Education

### Politecnico di Milano

MASTER'S DEGREE IN MECHANICAL ENGINEERING (FIELD OF MECHATRONICS AND ROBOTICS)

- Joined the “Polimi Sailing Team” in the “Mechatronics” department

Milan, Lombardy, Italy

Sep. 2023 - PRESENT

### Politecnico di Milano

BACHELOR'S DEGREE IN MECHANICAL ENGINEERING

- Selected for participating in the “Pro Hackin’ Project 2023”, in collaboration with “RIMAC Automobil”  
Project task: Personal Transportation Vehicle - Sidewalk vehicle  
Chosen by the company as the winning team
- Selected for competing at SWERC 2021 (A.Y.2020/21)
- Third place in an internal coding competition using MATLAB (A.Y.2020/21)

Milan, Lombardy, Italy

Sep. 2020 - Jul. 2023

### Scientific High School “Paolo Giovio”

HIGH SCHOOL DIPLOMA, SCIENTIFIC

- Italian Physics Olympiad: admitted to regional selection (Feb. 2019)
- Italian Informatics Olympiad: admitted to regional selection (Apr. 2019, Apr. 2018)
- Italian Mathematics Olympiad: admitted to local district selection (Feb. 2017)

Como, Lombardy, Italy

Sep. 2015 - Jun. 2020

## Skills

|                             |  |
|-----------------------------|--|
| <b>Personal</b>             | Analytical Skills, Problem-Solving, Leadership, Manual dexterity |
| <b>Engineering Software</b> | MATLAB, CATIA, SolidWorks, Inventor                              |
| <b>Programming</b>          | C, Python, PHP, MySQL  |
| <b>Languages</b>            | Italian (Mother tongue), English (Limited Working)               |

## Experience

### Polimi Sailing Team

MECHATRONIC ENGINEER

- Coded from scratch high performance NMEA0183 libraries.
- Worked with STM32 microcontrollers to create interfaces for the sensors and the control algorithms.

Politecnico di Milano, Lombardy,  
Italy

Oct. 2023 - PRESENT

### Orienteering Como

MAPPER

- Responsible for the society's cartography.
- Drawn several new Orienteering maps using the International Symbols Specification.
- Handled many homologation iter with the official Italian Federation for this sport.
- Developed a cloud-based architecture to facilitate the access and use of the map archive to all the members of the society.

Lombardy, Italy

May. 2018 - PRESENT

### Confedilizia Como

SOFTWARE DEVELOPER

- Responsible for the development and distribution of a new software needed by the association.
- Developed the computer software for the specific needs and requests from the client.
- Developed the web platform (front-end & database) for the secure distribution of the software to requesting clients.

Como, Lombardy, Italy

Apr. 2020 - Feb. 2021

### Ennova Research

WEB PROGRAMMER

- Period of internship for the “Alternanza Scuola Lavoro” national project.
- Developed a dynamically generated web page using Node.js and JavaScript.

Lomazzo, Lombardy, Italy

Jun. 2018

## Extracurricular Activity

## Italian Orienteering Committee

IT TECHNICIAN

- Organizational IT aid at major Italian Orienteering Events.
- 5 Days of Italy (Jul. 2022 - PRESENT)
- International MeetingOfVenice (Nov. 2018 - PRESENT)

Italy

Nov. 2018 - PRESENT

## Orienteering Como

EVENTS ORGANIZER

- Educational and promotional outings in the role of instructor (mainly for schools or local association).
- Organizer playing key roles (controller or course-setter) in smaller events such as promotional or regional competitions.

Lombardy, Italy

Gen. 2017 - PRESENT

## Orienteering Como

COUNCIL MEMBERS

- Member since Feb. 2016
- Council Member since Sept. 2021

Como, Lombardy, Italy

Sept. 2021 - PRESENT

## Honors & Awards

- 2023 **Merit Exemption,**
- 2022 **Merit Exemption,**
- 2021 **Best Freshman Award,**

Milan, Italy

Milan, Italy

Milan, Italy

## Presentation

### Online Webinar by F.I.M.A.A COMO

PRESENTER FOR <CONTRATTI A CANONE CONCORDATO>

- Explained the importance of a computer based system to efficiently generate the new type of real estate contract.
- Demonstrated the app developed for Confedilizia Como as a potential solution for compliance with new laws.

Online

16 Feb. 2021

## Certifications

**23 Aug. 2023 - TOEFL** Score: 90/120

**12 Jun. 2023 - TOEIC** Score: 975/990

## Hobby & Personal interests

### Projects

- Gorlu the printer | Joppo the rotor | Model rockets
- ...many more on my website ...

### Bike travelling

- Como - London, 1200km+ (Sept. 2021)
- Como - Barcelona, 1100km+ (Aug. 2023)

### Sports

- Orienteering (practiced since 2016)
- Tennis (played for 8 years)

### Nature

- Camping
- Mountain hiking