

# Erik Mischiatti

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[LinkedIn](#)  
[Portfolio](#)

## Mechatronic Engineer/Robotics & Electronics

### Personal

Hi! I'm **Erik Mischiatti**, a Mechatronics Engineer with a passion for robotics, automation, and innovation. My experience spans across dynamic international projects and research in autonomous systems and smart technologies. When I'm not coding or experimenting with robots, you'll find me running, exploring new places with my camera, or refining my cooking skills. I thrive in challenging environments and enjoy connecting with inspiring people.



### Experiences

Master Thesis Researcher | Technical University of Wien (TUW)  
April 2024 to October 2024

This project develops a robotic system for autonomous assembly tasks, leveraging kinesthetic demonstration, invariant trajectory learning, and behavior trees to handle rigid and deformable objects with flexibility and precision.

Erasmus Activity | Linnaeus University (LNU)  
August 2023 to January 2024

I spent 6 months in Sweden, studying at Linnaeus University in Växjö.  
I attended courses in the field of robotics, automation and mechanics.

StartUp Lab | Trento University  
(1 semester)

CLab Trento is the interdepartmental laboratory of the University of Trento, managed with HIT (Hub Innovazione Trentino), where starting to create your professional future.

### Education

M.Sc. MECHATRONICS ENGINEERING

ELECTRONICS and ROBOTICS

University of Trento | 2022-2024 |

Thesis: [Leveraging Acquired Knowledge and Invariant Representations for Cable Manipulation](#)

B.Sc. MECHATRONICS ENGINEERING

INFORMATION ENGINEERING L-8

University of Padova | 2018-2021

Thesis: [Detection of Human Arm Muscle Activity Using EMG Sensors](#)

### Skills

Python

Matlab

Docker

Git

Linux

Windows

LaTeX

Mathematica

VSC

ROS

Gazebo

Computer vision (OpenCV)

Embedded systems

Autonomous systems

PCB design

SolidWorks

Fusion 360

3d printing

Good team player

Flexibility

Communication skills

Adaptability

Project Management

Interdisciplinary

International Teamwork

(R&D)

Innovation Mindset

### Awards & Certifications

Modular Drone - UWB communication

Institution: Trento University

IEEE Xplore: [2024 IEEE International Conference on Automation Science and Engineering 2023-2024](#)

2024 IEEE 20th International Conference on Automation Science and Engineering

2024

### Languages

Italian - native

English - B2/C1

Swedish - A1

German - A1