

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 | Technincal 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

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|---------------|---------------------------|-------------------------------|
| Python | ROS | Good team player |
| Matlab | Gazebo | Flexibility |
| Docker | Computer vision (OpenCV) | Communication skills |
| Git | Embedded systems | Adaptability |
| Linux | Autonomous systems | Project Management |
| Windows | PCB design | Interdisciplinary |
| LaTeX | SolidWorks | International Teamwork |
| Mathematica | Fusion 360 | (R&D) |
| VSC | 3d printing | 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