Erik Mischiatti

Mechatronic Engineer

Experience

- **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.
  - Hachi team (our startup)

Languages

- **Italian** - native
- **English** - B2/C1
- **Swedish** - A1.1
- **German** - started

Contact Info

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+39 3341452271
Linkedin

My Portfolio

Erik Mischiatti
Mechatronic Engineer

Education

- **M.Sc. MECHATRONICS ENGINEERING ELECTRONICS and ROBOTICS**
  University of Trento | 2021-2024 |
  Thesis: Leveraging Acquired Knowledge and Invariant Representations for Cable Manipulation

- **B.Sc. MECHATRONICS ENGINEERING INFORMATION ENGINEERING L-8**
  University of Padova | 2017-2021
  Thesis: Detection of Human Arm Muscle Activity Using EMG Sensors

Skills

- **Computing:** Python, Matlab, Docker, Git, Linux, Windows, LaTeX, Mathematica, VSC
- **Robotics:** ROS, Gazebo, OpenCV
- **3D modeling:** SolidWorks, Fusion 360, 3d printing
- **Autonomous Systems**

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

- **MATLAB Onramp**
  2022

- **Cambridge Assessment English (B2)**
  2021

Contact me

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