

Luca MITARITONNA

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EDUCATION

Politecnico di Bari **Bari, Italy**
MSc in Mechanical Engineering 09/2024 – 04/2027 (expected)
Major: Mechatronics and Robotics
Current average grade: 29/30
Relevant courses: Robotics, Mechatronics, Automatic Controls, Mechanical Design
Award: 1st Place, IEEE RoboSoft Competition 2026 (Kanazawa, Japan)

Politecnico di Bari **Bari, Italy**
BSc in Mechanical Engineering 09/2020 – 07/2024
Relevant courses: Solid Mechanics, Machine Design, Thermodynamics, Manufacturing Technology
Thesis title: Problem Solving for the Resolution of Technical and Managerial Anomalies in Mechanical Systems
Thesis subject: Mechanical Systems – **Thesis supervisor:** Prof. Raffaello Pio Iavagnilio

ACADEMIC & PROFESSIONAL EXPERIENCE

RoboPhysicsLab (Prof. Vito Cacucciolo) – Politecnico di Bari **Bari, Italy – Kanazawa, Japan**
MSc student 01/2026 – Present

- Developing Master's thesis research in soft robotics, focusing on the integration of EHD fiber pumps with bistable systems

Team member of “Chill Group”

- Designed and prototyped a soft robotic gripper for delicate fruit harvesting, optimizing structural compliance and control
- Achieved 1st place in an international robotics competition among university teams from around the world

Siemec srl **Bari, Italy**
Industrial Engineering Intern 01/2023 – 03/2023

- Worked within a maintenance team on preventive and corrective activities to ensure operational efficiency
- Collaborated with technicians and engineers to identify and resolve equipment issues on site

SKILLS & VOLUNTEER ACTIVITIES

Languages: Italian: Native speaker; English: Full professional proficiency.
IT Skills: Proficient in MS Office package (Word/PowerPoint/Excel); Autodesk Inventor; AutoCAD; MATLAB; Generative AI; C/C++ (Arduino).
Volunteer Experience: Operation Manager at the NGO “Ethera Culture” (01/2024 – Present) – Curation and management of cultural events promoting social engagement; co-designed and coordinated the regional conference “Ethera Future Talks 2025” (5,000+ participants), fostering dialogue between academia, industry, and institutions.