

Kevin Galassi, PhD

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Experience

CEO & CO-Founder

ROBOSECT srl

Bologna, Italy

Jul 2024 –

- Design of a dual-robotic platform for electrical control panel quality control.
- Deploy of machine learning algorithms for CV applications on GPU and Nvidia jetson.
- Management of funding activities, projects proposal and business development.

Postdoctoral Researcher @ INTELLIMAN [🔗](#)

University of Bologna

Bologna, Italy

Jul 2024 – ongoing

- Simulation of a novel gripper for food bin-picking.
- Development of Def.objects perception.

PhD in Artificial Intelligence for 4.0 Industry

University of Bologna & Polytechnic of Turin

Bologna/Torino, Italy

Nov 2021 – Nov2024

- Thesis title: "Robotic Learning for Perception and Manipulation of Deformable Objects.
- Perception algorithms for deformable linear objects (DLOs) and wiring harnesses.
- Use of LLM and foundations models for robotics.
- Co-supervisor of > 10 Master Thesis on various robotics topics
- Publication of > 15 articles (8 journals).
- Tutor of "Autonomous and Mobile Robotics" (2020 – Present) and additional tutoring and lecturing..

Research Internship

Naver Labs Europe

Grenoble, France

Mar 2023 – Sep. 2023

- Development of a Nvidia IsaacSim-based simulation for cloth-like objects
- Use of attention model for Imitation learning for a robotic cloth-smoothing task

Visiting PhD student

Technical University of Munich (TUM)

Munich, Germany

Oct. 2022

- Testing simulating environment for Deformable linear objects manipulation.
- Application of Reinforcement Learning (SB3) for DLOs manipulation.

Research Assistant @ REMODEL [🔗](#)

University of Bologna

Bologna, Italy

Oct 2021 – Oct 2022

- Machine learning perception of deformable linear objects
- Robotic platform for electrical control panel manufacturing

Education

BSc & MSc in Automation Engineering

University of Bologna

Bologna, Italy

Oct 2015 – Oct 2020

- MSc Thesis: "Motion and trajectory planning for a robotic manipulation of deformable electrical wires" [110/110 cum laude]
- UNIBO FSAE Team: Member of the Electronics Team (2018,2019), co-development of control various ETC, LCS, TCS

Certification, Skills, Interests

Certification: English IELTS C1

Programming: Python, C++, **Frameworks:** ROS1/2, PyTorch, **Simulation:** PyBullet, IsaacSim, Omniverse
Tools: SolidWorks, Creo **Soft Skills:** Grant writing, project leadership.

Interests: Swimming, planning to swim across strait of Sicily. (3.3Km)