



Igor Lirussi

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WORK EXPERIENCE



RESEARCHER - COGNITIVE ROBOTICS

Oct 2021 - Feb 2024

Istanbul (TR) Boğaziçi University: Cognitive Learning and Robotics Laboratory

Enabled industrial and collaborative robots to plan and perform different manipulative actions on objects and assess the results to achieve long-term goals. Particle-simulation physics in VR. Cognitive Robotics and Virtual Reality



RESEARCH ASSISTANT - INTERACTION ROBOTICS

Apr 2020 - Sep 2020

Stockholm (SE) KTH Royal Institute of Technology: Robotic Perception and Learning Department

Creation of software for natural language interaction with a humanoid robot. Human-Robot Interaction and Dialog Engines



RESEARCH SCHOLAR - COMPUTER VISION

Sep 2018 - Sep 2019

Lisbon (PT) IST Instituto Superior Técnico: I.S.R. Institute for Systems and Robotics - VisLab

Development of software for a mobile robot to navigate indoors and recognize surroundings. Object Recognition, NLP for Human-Robot Interaction, SLAM, and Visual Navigation Systems

EDUCATION



MSc. COMPUTER SCIENCE AND ENGINEERING, University of Bologna Sep 2019 - Dec 2023

Thesis: Novel robotic action synthesis with Conditional Neural Movement Primitives.



INTERNATIONAL STUDENT MSc., Stockholm University

Jan 2020 - Jul 2020

Decision Making and Business Intelligence, Network Security, Cyber Forensics



INTERNATIONAL STUDENT BSc., Lisbon University

Sep 2018 - Sep 2019

Artificial Intelligence, Operational Research



BSc. COMPUTER SCIENCE AND ENGINEERING, University of Bologna Sep 2014 - Sep 2019

Thesis: Framework for navigation and Human-Robot interaction with humanoid robots.

TECHNICAL SKILLS & SOFTWARE

Programming paradigms: imperative/OO/functional/logic/concurrent.
Languages: C, C++, C#, Java, Scala, Bash scripting, Python.
Advanced knowledge of embedded systems and automation,
Image processing algorithms, machine learning, video/photo editing.

Git/GitHub Actions/Projects
 OpenCV
 ROS
 PyTorch

LANGUAGES & INTERESTS

	IT	Native Speaker	Winner "The 30 new emerging ideas of 2021" - Startup Day Unibo
	EN	Full Proficiency	Theoretical and Practical course of First Aid for companies
	PT	Conversational	Cooking and DIY Enthusiast
	SV	Basic level	Sport and Videomaking Passionate
	TR	Basic level	Food Aid Program Volunteer - Blood Donor

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