

GIORGIO BONO

Double Degree M.Sc. Student in Artificial Intelligence & Data Science | Computer Vision, Robotics & Reinforcement Learning

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📄 Giorgio Bono

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EDUCATION

Master's Thesis Student – Robotics, Perception and Learning KTH Royal Institute of Technology

📅 May 2026 – Ongoing

📍 Stockholm, Sweden

Conducting a Master's thesis project in the Robotics, Perception and Learning department focus on Multi-Task Reinforcement Learning for robotic manipulation on the Meta-World+ benchmark. Supervised by Prof. Danica Kragic and postdoctoral researcher Dr. Lakshadeep Naik.

Master M2 IA2VR - Intelligence Artificielle et ses Applications en Vision et Robotique

Université de Lorraine

📅 Sept 2025 – Ongoing

📍 France

Pursuing a double degree Master's program in Artificial Intelligence (IA2VR) between Université de Lorraine and CentraleSupélec.

Cursus Ingénieur 3ème année - programme d'échange

CentraleSupélec, Université Paris-Saclay

📅 Sept 2025 – Ongoing

📍 France

- Reinforcement Learning, GPU programming, Advanced C++
- Natural Language Processing, Machine and Deep Learning
- Statistical models, Statistical learning, Software engineering

M.Sc. in Artificial Intelligence

Politecnico di Torino

📅 Sept 2024 – Ongoing

📍 Turin, Italy

- Machine Learning and Deep Learning
- Numerical and Stochastic optimization
- Distributed architectures for Big Data

B.Sc. Computer engineering

Politecnico di Torino

📅 Sept 2021 – Sept 2024

📍 Turin, Italy

- Algorithm, data structures and Object oriented programming, Applied electronics

PROJECTS & RESEARCH EXPERIENCES

Skill Discovery via VLM & Multi-Task Reinforcement Learning on Meta-World+

KTH Royal Institute of Technology

📅 May 2026 – Ongoing

📍 Stockholm, Sweden

Master's thesis project focused on skill and subtask discovery: Investigating how complex manipulation tasks can be decomposed into semantically and temporally coherent skills or subtasks to improve Multi-Task Reinforcement Learning via Vision-Language Models (VLM).

Reinforcement learning in a multi-SOM architecture

CentraleSupélec, Université Paris-Saclay

📅 Nov 2025 – Apr 2026

- Research to control a non-Markovian dynamic system (rocket) in a continuous environment.

Undergraduate Research Opportunities Program

Politecnico di Torino

📅 Mar 2025 - Sept 2025

- "From Natural Language text to source codes" project based on Text-to-SQL approach with small LLMs (<15B parameters) on BIRD dataset.

6D Pose Estimation-Driverless Application

- Developed a deep learning model for 6D object pose estimation based on th GNN PointNet++ using YOLO and ResNet on LINEMOD dataset tested on a simulator for real time perception.

PROFESSIONAL EXPERIENCE

AI & Perception engineer - Squadra Corse Driverless

Politecnico di Torino

📅 Oct 2024 – Oct 2025

📍 Turin, Italy

- Work on LiDAR pose estimation of the autonomous vehicle using ICP algorithms based on ROS2, Python and C++.

AI Workshop Professor for Primary School Teachers

Synesthesia

📅 Feb 2025 – Jun 2025

📍 Turin, Italy

- Designed and delivered workshops introducing Artificial Intelligence concepts to elementary school educators.
- Taught practical use of accessible AI tools (e.g. image generators, chatbots) for classroom integration.

Computer Science workshop Professor

Synesthesia

📅 Nov 2024 – Jun 2025

📍 Turin, Italy

Conduct interactive workshops for children aged 7 to 11, teaching fundamental programming concepts using Scratch, sphero indi and microbit with macqueen robot.

DIGITAL SKILLS

C C++ MATLAB Java Python Linux

Docker Git RViz ROS2 LiDAR

Gazebo Pytorch OpenCV YOLO

SQL/NoSQL Hadoop Spark CMake

Pandas SciPy Sklearn NumPy

LANGUAGES

- Italian: Native
- English: C1
- French: B2