

# Giuseppe PAOLO, Dr.

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## Experience

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**Jun 2025 – Current** **Cognizant AI Lab**

*Full Remote* *Research Scientist*

Research on Agentic and Multi-agentic AI systems.

**2021-2025** **Huawei Research – Noah’s Ark Lab**

*Paris, France* *Research Scientist*

Public and internal research on Model Based RL, AutoML, LLMs. Multiple scientific publications and the submission of two patents.  
Supervision of a CIFRE PhD student.

**Feb 2018 – Jul 2018** **IBM Research Zurich Zurich, Switzerland**

*Zurich, Switzerland* *Research Intern*

Research on Computer Vision and NLP for visual question answering for IBM Watson (Image and text processing, LSTM, CNN,...).

**Oct 2016 – Jan 2017** **RAM-Lab - CityU Honk Kong | HKUST**

*Hong Kong* *Research Assistant*

Develop and implement a deep RL algorithm for a stair climbing tracked robot.  
The final goal was to deploy the algorithm on wheelchairs to help impaired people overcome stairs and obstacles.

**Mar 2015 – Jun 2015** **Joint Open Lab – Telecom Italia**

*Turin, Italy* *Robotics Intern*

Design and development of telepresence robotic platform based on ROS.

## Education

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**2018 – 2021** **CIFRE PhD in AI and Computer Science**

*Paris, France* *AI Lab - SoftBank Robotics Europe | ISIR – Sorbonne University*

Research on Reinforcement Learning and Evolutionary Algorithms in Sparse rewards settings. Four scientific publications on the development and study of Quality-Diversity and Reinforcement Learning algorithms.

**2015 – 2017** **Master of Science in Robotics, Systems and Control**

*Zurich, Switzerland* *ETH Zurich*

Robotics, Machine Learning, Deep Learning, Reinforcement Learning, Computer Vision, Control, Game Theory. Master Thesis: develop and implement an algorithm for autonomous robot navigation in complex and crowded environments.

**2012 – 2015** **Bachelor Degree in Electronic Engineering**

*Turin, Italy* *Politecnico di Torino*

## Extras

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**2023** Invited guest editor for the [“Evolutionary Reinforcement Learning” Special Issue](#) at the [ACM TELO journal](#).

**2021, 2022 and 2023** Co-organized the [Evolutionary RL workshop](#) at [GECCO](#).

## Languages

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**Italian:** mother tongue

**English:** advanced

**French:** advanced

**Arabic:** basic

## Open Source Projects

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**SERENE:** Code of my paper on SparseE Reward Exploration via Novelty search and Emitters paper published at GECCO 2021. ([Github](#))

**Novelty Search Gym:** A fairly modular and easily expandable Novelty Search implementation for gym-based environments ([Github](#))

## Awards

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<b>Future Star</b>	Obtained at Huawei in 2024. Given to top 20% employees
<b>Quality Star</b>	Obtained at Huawei in 2023 for the great results obtained on internal project
<b>2012 Lab Star</b>	Obtained at Huawei in 2023 for the great results obtained on internal project
<b>Future Star</b>	Obtained at Huawei in 2022. Given to top 20% employees

## Technical Skills

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**Scientific Skills:** Scientific Writing, Deep Learning, Machine Learning, Agentic AI, Reinforcement Learning (Model-Free and Model-Based), Evolutionary algorithms, LLM, Representation Learning, AutoML

**Libraries/Frameworks used:** Python, Pytorch, Tensorflow, HuggingFace's Transformer, Pandas, Sklearn, Ray, Hydra, vLLM, RAMP, ROS, Gazebo, Linux, Latex, Git, Inkscape

## Soft Skills

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**Social:** Team spirit and good socialization skills in new and multicultural situations, acquired through living in multiple different countries

**Organizational:** Leadership and organization of a medium sized group of people obtained through the organization of events like the EvoRL workshops. Long term research project management, obtained during my PhD and the supervision of my PhD student.

## Interests

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Photography, rock climbing, motorbiking, rollerblading