

Education

University of Trento

Trento, Italy

Master in Artificial Intelligence, 3.8/4.0 GPA

09.2023 – Present

- **Selected Coursework:** Machine Learning, Deep Learning, NLP, Human-Machine Dialogue, Computer Vision.
- **Awards:** winner of the **Opera Universitaria scholarship** for both 1st and 2nd year, and winner of the **Overseas Mobility scholarship**.
- **Associations:** Member of the ForeseeAI association, to divulgate a responsible use of AI.

M2L Summer School

Split, Croatia

Mediterranean Machine Learning Summer School - Certificate

09.2025

- Selected for a summer school organized by **Google DeepMind**, with an **acceptance rate of 15%** and speakers from Google, Amazon, Cohere, Oxford, Cambridge. . .
- **Presented a poster:** *Garbage In, Reasoning Out? Why Benchmark Scores are Unreliable and What to Do About It*

Ca' Foscari University of Venice

Venice, Italy

Bachelor of Computer Science, 3.8/4.0 GPA - Final grade: 110 with Honors

09.2020 – 07.2023

- **Awards:** Winner of **best student scholarship** for 2nd and 3rd year.

Experience

RIKEN

Kyoto, Japan

AI Research Assistant (Guardian Robot Project) - supervisor Prof. Koichiro Yoshino

09.2025 – Present

- Doing research on **vision-language models**, specifically on phrase grounding and reference resolution.
- Developing a method to leverage the **dialogue history** between a human and a robot for better grounding.

University of Trento

Trento, Italy

AI Research Assistant (SiSLab) - supervisor Prof. Giuseppe Riccardi

02.2025 – Present

- Designing and developing a **dialogue system for health and nutrition**, using LLMs on real human data.
- Did research on evaluation of the **reasoning** capabilities of LLMs, resulting in a **paper** currently under revision.

Machine Learning Teaching Assistant

03.2024 – 08.2024

- Assisted students during office hours, helping them to achieve top grades and clarify lecture's doubts.

Amazon

Madrid, Spain

Software Engineer Intern

07.2024 – 09.2024

- Integrated **LLMs with the Amazon APIs** to generate Kindle notifications personalized for each user.
- Worked with React, TypeScript, and Java to improve the **Kindle Notification Console** customer experience.

Reply

Padua, Italy

Software Engineer Intern

03.2023 – 05.2023

- Worked in the division of Financial Services, developing software for financial companies using Java EE and AWS.

Hackathons & Projects

High Resolution Land Cover (ESA) - Presentation

Trento, Italy

University of Trento (RSLab) - supervisor Prof. Lorenzo Bruzzone

01.2025 – 07.2025

- Carried out research on **hierarchical classification** and **transfer learning** for remote sensing computer vision.
- This research is part of a climate change monitoring project by the **European Space Agency (ESA)**.

Public AI Challenge - Presentation

Trento, Italy

Innovation Hub Trentino

09.2024 – 12.2024

- Developed a remote imaging **semantic segmentation** system for the Forest Service of the Trentino region.
- Automated the forest change detection monitoring, saving around **3000 euros** and **160 work hours per year**.

NASA International Space Apps Challenge - Presentation - Repo

Treviso, Italy

NASA

09.2024

- Local **winning team** for the NASA challenge, developing a seismic detection algorithm from Lunar and Mars data.

Technical Skills

Programming Languages: Python, C/C++, Java, JavaScript/TypeScript, SQL.

Technologies/Frameworks: PyTorch, PyTorch Lightning, Scikit-learn, Numpy, MLFlow, Weights & Biases, Ray Tune, Git, ReactJS, Angular, AWS, Docker.