

# Miroljub Mihailovic

PhD Student in Robotics and AI at UniPd

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📁 [mirovix.github.io/dist](https://mirovix.github.io/dist)

🐙 [github.com/mirovix](https://github.com/mirovix)

## WORK EXPERIENCE

### ML Researcher Nordest Technology

11/2024 - Present

Machine learning researcher providing time-limited support for the development of algorithms and models for detecting anti-money laundering (AML) activities.

### Lead Software Engineer in Machine Learning Nordest Technology

02/2023 - 11/2024

Vicenza - Italy

As a Lead Software Engineer in Machine Learning, my core responsibility revolves around leading the development efforts of AI and ML-based products specifically designed for the detection of Anti-Money Laundering (AML) activities.

### Software Engineer Università degli Studi di Padova - DEI - IAS LAB

02/2024 - 06/2024

Software engineer working on refactoring code for ROS-Neuro system.

### Software Engineer in Machine Learning Nordest Technology

04/2022 - 02/2023

Vicenza - Italy

In this role, I've been instrumental in developing software to optimize the identification of suspicious financial transactions. Utilizing machine learning, particularly supervised learning, our software ranks and prioritizes Anti-Money Laundering (AML) alerts, reducing false positives and enabling efficient alert handling for enhanced financial security.

### Research Engineer Università degli Studi di Padova - DEI - IAS LAB

10/2021 - 07/2022

Research training on reinforcement learning methods, including both theoretical concepts and practical applications.

## EDUCATION

### PhD in Robotics and AI Università degli Studi di Padova - Padova

11/2024 - 11/2027

### M.Sc. Computer Engineering, Artificial Intelligence and Robotics Università degli Studi di Padova - Padova

10/2020 - 07/2022

GPA - 28.62/30

### B.Sc. Computer Engineering Università degli Studi di Padova - Padova

10/2017 - 09/2020

GPA - 26/30

## TECHINICAL SKILLS

Computer Vision Techniques

Robotics

Machine Learning/Deep Learning

Python

C/C++

Java

MatLab

Scikit-Learn

ROS

TensorFlow

OpenCV

Open3D

Pandas

CPlex

ML flow

Flask

PyTest

NLP

Git/GitHub

## MAIN PROJECTS

### Mentee at LeadTheFuture (09/2022 - Present)

- Lead The Future empowers top-performing students to achieve their goals and contribute to their communities. (Acceptance rate less than 20%).

### Software Engineer - Fly your thesis! Program European Space Agency - UniPD (02/2021 - 11/2022)

- ERMES (Experimental Rendezvous in Microgravity Environment Study) project is concerned with the design and development of a test for an autonomous docking manoeuvre between CubeSats mock-ups to be performed on a parabolic flight in order to take advantage of a reduced-gravity environment.

### Master Thesis - Reinforcement learning in shared intelligence systems for mobile robots.

- [https://github.com/mirovix/Master\\_Thesis/](https://github.com/mirovix/Master_Thesis/)

### Solutions for TSP (Travelling Salesman Problem)

- Small thesis about different algorithms for solving the Traveling Salesman Problem.

## LANGUAGES

Italian

Native or Bilingual Proficiency

Serbo-croatian

Native or Bilingual Proficiency

English

Full Professional Proficiency