# Miroljub Mihailovic

PhD Student in Robotics and AI at UniPd

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#### **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 - Italj

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 Al

Università degli Studi di Padova - Padova

11/2024 - 11/2027

# M.Sc. Computer Engineering, Artificial intelligence and Robotics

Università degli Studi di Padova - Padova

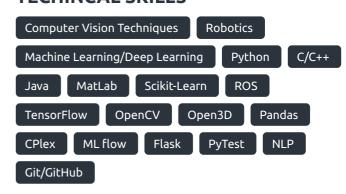
10/2020 - 07/2022 GPA - 28.62/30

# **B.Sc. Computer Engineering**

Università degli Studi di Padova - Padova

10/2017 - 09/2020 GPA - 26/30

### **TECHINCAL SKILLS**



### 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/

### Solutions for TSP (Travelling Salesman Problem)

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

### **LANGUAGES**

Italian

Native or Bilingual Proficiency

English

Full Professional Proficiency

Serbo-croatian

Native or Bilingual Proficiency