

# MIROLJUB MIHAILOVIC

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🌐 [LinkedIn](#)

🐙 [GitHub](#)

📄 [Projects and Papers](#)

## EDUCATION

Università degli Studi di Padova

10 2020 - 07 2022

*M.Sc. ARTIFICIAL INTELLIGENCE AND ROBOTICS - GPA - 28.621/30*

*Padua, Italy*

Università degli Studi di Padova

10 2017 - 09 2020

*B.Sc. COMPUTER ENGINEERING - GPA 26/30*

*Padua, Italy*

## MAIN COURSEWORK / SKILLS

- |  |                                       |   |                                |
|--|---------------------------------------|---|--------------------------------|
| • Machine Learning & Artificial Intelligence | Robotics and Control & Control Theory | • Automata, Languages and Computation         | • Database & Computer Networks |
| • Computer Vision & 3D Data Processing       | • Operation Research 1-2              | • Fundamental of Electronics & Circuit Theory | • Project Management           |
| • Industrial Robotics &                      | • Intelligent Robotics                |   |                                |

## MAIN PROJECTS / PAPERS / PRIZES

Fly your thesis! European Space Agency [🔗](#)

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.
- Supervision: ESA (European Space Agency), DII (Department of Industrial Engineering).

72nd International Astronautical Congress (Dubai, UAE) [🔗](#)

2021

- Experimental Rendezvous in Microgravity Environment Study (ERMES).
- [Download Paper](#)

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%).

Master thesis project [🔗](#)

10 2021 - 07 2022

- Reinforcement learning in shared intelligence systems for mobile robots.

Solutions for TSP (Travelling Salesman Problem) [🔗](#)

03 2021 - 08 2021

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

Second place NASA Hackathon Space Apps challenge (Prize €1000)

10 2018

- System for astronaut localization using triangulation of signals.

## INTERNSHIP / WORK EXPERIENCE

Nordest Technology [🔗](#)

01 2023 - present

*Machine Learning Product Manager*

*Vicenza, Italy*

- Responsible for leading the development and commercialization of machine learning-based products and services.

04 2022 - 01 2023

*Machine Learning Engineer*

*Vicenza, Italy*

- Implementation of an automatic detection system for anti-money laundering and anti-terrorism anomalies through machine learning implementations.

Università degli Studi di Padova - DEI - IAS LAB [🔗](#)

10 2021 - 07 2022

*Research Training*

*Padua, Italy*

- Research training on reinforcement learning methods.

## TECHNICAL SKILLS

**Languages:** Python, C, C++, Java, Matlab, PHP, SQL

**Tools/Libraries:** ROS, TensorFlow, Scikit-learn, Keras, OpenCV, OpenAI, Open3D, Eigen, Pandas, CPLEX, ML Flow, Flask, Pytest

**Technologies:** Linux, Windows, AWS, GitHub, Git, Arduino, Raspberry

## LANGUAGES

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**ITALIAN:** Native language

**ENGLISH:** English B2 - Speaking [!\[\]\(3dfb8d66e81160ad61421a3452093d1b\_img.jpg\)](#), English B2 - Reading and Listening [!\[\]\(21ece2018b00c7267b3324c50bbed633\_img.jpg\)](#)

**SERBO-CROATIAN:** Native language

## EXTRACURRICULAR

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Didactic support for high school students in the following subjects: Physics, Mathematics and Computer Science, 2018 - Current.

## SOFT SKILLS

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Self-motivated, Professionalism, Teamwork, Time-management, Humour, Goal setting, Self-starter, Planning, Collaboration, Cooperation, Coordination

## PERSONAL INTEREST

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Reading, Chess, Hackathon competitions, Sport: bodybuilding, running and competitive football (2008-2018).