

# Marcello Martini

MSc STUDENT IN COMPUTER SCIENCE AND ENGINEERING AT POLITECNICO DI MILANO

Milan (IT)

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## Education

### Politecnico di Milano

MSc IN COMPUTER SCIENCE AND ENGINEERING

- Track: Artificial Intelligence (T2I)

Milano, IT

September 2023 - Present

### University of Ferrara

BSc IN ELECTRONIC AND COMPUTER ENGINEERING

- Graduation grade: 107/110 - thesis: High-Occupancy Prediction in Smart Campus via Weak Supervision and Label Augmentation.

Ferrara, IT

September 2019 - March 2023

### Liceo Scientifico A. Roiti, Ferrara - opzione scienze applicate

SCIENTIFIC HIGH SCHOOL DIPLOMA

- Erasmus+ Media, social networks & ICT: opportunities for learning, Riga (LV) - I attended the Italian and Latvian conference

Ferrara, IT

September 2013 - July 2019

## Work Experience

### A-Tono Payment Institute SPA

JUNIOR SOFTWARE ENGINEER

- Developed a microservices infrastructure utilizing Service Mesh architecture (Kubernetes-based) for DropPay ecosystem applications, focusing on decoupling microservices from the management of security, HTTP metrics, and call routing. Conducted benchmarking of Consul and Istio.

Pontedera, IT

July 2023 - October 2023

### NEC Laboratories Europe GmbH

SOFTWARE ENGINEER INTERN - ERASMUS+ TRAINEESHIP PROGRAM

- I researched and developed solutions using machine learning to detect overcrowding situations in buildings in order to improve energy efficiency. I also wrote the bachelor Thesis on the Topic.

Heidelberg, DE

August 2022 - December 2022

## Academic Experience

### NECSTLab, DEIB, Politecnico di Milano

GRADUATE STUDENT RESEARCHER - LEONARDO PROJECT

- Working on AI applications for psychological wellbeing tracking
- Attended the NECST Group Conference (NGC14) in San Francisco, where we presented our projects to major tech companies and startups.

Milano, IT

November 2023 - Present

## Awards and Honors

- 2023 **First place team**, HACKATHON: How To Hack The NECSTCamp - NECSTLab at Politecnico di Milano
- 2023 **Nova member**, Selected as part of the top 3% in a merit-based network for career development.
- 2022 **Mentee at Lead the Future**, Selected for a STEM mentorship program with <20% acceptance.

Milano, IT

## Skills

<b>Programming languages</b>	Python, C, Java, JavaScript, MATLAB
<b>Database technologies</b>	MySQL, MongoDB, DynamoDB, Neo4j, SQLite, Redis
<b>Frameworks and libraries</b>	Jupyter Notebook, Scikit-learn, Snorkel framework, Matplotlib, Pandas, Seaborn, Spring, Flask
<b>Tools</b>	Git/Github, Docker, Kubernetes, Amazon Web Services (AWS), Istio

## Extra Curricular Activities

### Icaro project 2021 edition, Fondazione Golinelli

JANUARY 2021 - MAY 2021

- Attended ICARO2021: an "entrepreneurial gymnasium" designed to bring university students closer to corporate culture and stimulate their creativity, passion, and resourcefulness.

Bologna, IT

## Volunteer Experiences

### Associazione musicale Arianna Alberighi - Music school of Tresigallo

DIGITAL TECHNOLOGIES MANAGER

- Development of the association's website, management of the Google Workspace, development of the web portal for managing members and students of the music school.

Tresigallo, IT

2016 - Present