Marcello **Martini**

MSc STUDENT IN COMPUTER SCIENCE AND ENGINEERING AT POLITECNICO DI MILANO

Ferrara (IT) · *01/12/2000*

✉ martinimarcello00@gmail.com | 🏠 marcellomartini.tech | ⌨ martinimarcello00 | 🔗 martinimarcello00

Education

Politecnico di Milano   *Milan, IT*

MSc IN COMPUTER SCIENCE AND ENGINEERING   *September 2023 - April 2026*

- Track: Artificial Intelligence

University of Ferrara   *Ferrara, IT*

BSc IN ELECTRONIC AND COMPUTER ENGINEERING   *September 2019 - March 2023*

- Graduation grade: 107/110
- Thesis: High-Occupancy Prediction in Smart Campus via Weak Supervision and Label Augmentation.
- Exams of interest: Web Systems Engineering, Software Engineering, Telecommunications Networks and Internet, Computer Networks

Liceo Scientifico A. Roiti, Ferrara - opzione scienze applicate   *Ferrara, IT*

SCIENTIFIC HIGH SCHOOL DIPLOMA   *Semtember 2013 - July 2019*

- Grade: 98/100
- Erasmus+ Media, social networks & ICT: opportunities for learning, Riga (LV) - I attended the Italian and Latvian conference

Work Experience

A-Tono Payment Institute SPA   *Pontedera, IT*

JUNIOR SOFTWARE ENGINEER   *July 2023 - October 2023*

- Analysis of solutions for the implementation of software service mesh architectures.
- Technologies used: Kubernetes, Istio, Consul connect, Java, Quarkus, Docker, Shell, Git.

NEC Laboratories Europe GmbH   *Heidelberg, DE*

SOFTWARE ENGINEER INTERN - ERASMUS+ TRAINEESHIP PROGRAM   *August 2022 - December 2022*

- 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.
- Technologies used: Python, Java, Jupyter Notebook, Weak supervision, Matplotlib, Seaborn, Scikit-learn, Snorkel framework, Git, Linux.

Extra Curricular Activities

Lead the future mentorship program

OCTOBER 2022 - PRESENT

- Among the few Italian students selected to be mentees for LeadTheFuture, a leading mentorship non-profit organization for students in STEM, with an acceptance rate below 20%.

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.
- Soft skills acquired: Design thinking, Team working, Action learning

Awards and Honors

11/19/2023 **First place team**, HACKATHON: How To Hack The NECSTCamp - NECSTLab at Politecnico di Milano   *Milan, IT*

Personal Projects

Raspberry Pi Home Automation

2018 - PRESENT

- Developing a system to automate my home using a Raspberry Pi. I am now able to remotely control and automate some smart appliances through mobile devices and voice assistants such as Siri or Google Assistant.
- Technologies used: Raspberry Pi, Arduino, ESP8266, MQTT protocol, Protocollo Zigbee, Home Assistant, Python, Node-RED.

Volounteer Experiences

Associazione musicale Arianna Alberighi - Music school of Tresigallo   *Tresigallo, IT*

DIGITAL TECHNOLOGIES MANAGER   *2016 - Present*

- 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.