

# Marco Praticò

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"Stay hungry, stay foolish" -Steve Jobs

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## BIO

I am a second-year student of the Master's Degree in Artificial Intelligence and Data Analytics (Computer Engineering) at the Politecnico di Torino. I have always been passionate about the world of computing technology and electronics in general. In particular, I dream of giving my contribution to the world of research and the technological development related to Deep Learning and Reinforcement Learning.

I love learning new things and I love living new experiences. I am willing to travel to follow my dreams. I often surf the Internet to improve my computer skills and learn about new technologies that are emerging. My main characteristics are curiosity, motivation, and dedication to work.

## EDUCATION

### **POLITECNICO DI TORINO** | TURIN, ITALY

Sept 2021 – Present | Master's Degree in Computer Engineering

- Specialization in "Artificial Intelligence and Data Analytics"

Actual average mark: 29.04/30

Expected graduation date: September 2023

Sept 2018 – Jul 2021 | Bachelor's Degree in Electronic Engineering

- Final Mark: 99/110

### **LICEO STATALE TERENCE MAMIANI** | ROME, ITALY

September 2013 – July 2018 | Scientific Diploma

- Final Mark: 87/100

## PROJECTS & EXPERIENCES

### **MEMBER OF ROBOTO TEAM** | POLITECNICO DI TORINO, TURIN, ITALY

Nov 2022 - present | Student Team

Student team involved in [RobomasterNA competition](#).

### **SIM-TO-REAL TRANSFER OF REINFORCEMENT LEARNING POLICIES IN ROBOTICS USING SAC** |

POLITECNICO DI TORINO, TURIN, ITALY

Nov 2022 - Feb 2023

[Link to github project](#)

### **DEVELOPMENT OF SPIKING NEURAL NETWORKS USING RUST** | POLITECNICO DI TORINO, TURIN, ITALY

July 2022 - Sept 2022

[Link to github project](#)

### **MACHINE LEARNING: ANALYSIS OF HTRU2 DATASET** | POLITECNICO DI TORINO, TURIN, ITALY

July 2022

[Link to github project](#) | [Link to report](#)

### **ADVERSARIAL ATTACKS AND TOGGLE ACTIVITY ON A DEEP NEURAL NETWORK** | POLITECNICO DI TORINO, TURIN, ITALY

Oct 2021 – Apr 2022 | Collaboration with a research group

We studied what are the effects of adversarial attacks on a deep neural network and how this affects the network's toggle activity.

[Link to github project](#) | [Link to report](#)

### **DESIGNED A CRYPTOGRAPHIC HARDWARE-BASED DEVICE** | POLITECNICO DI TORINO, TURIN, ITALY

Mar 2021 – July 2021

## **IBM, TECHNOLOGY AND INNOVATION | ROME, ITALY**

Oct 2017 – Nov 2017 | Training Course

## **ARTIFICIAL INTELLIGENCE AND MACHINE LEARNING | CNR (NATIONAL RESEARCH CENTER), ROME, ITALY**

June 2017 - July 2017 | Training Course

## **MATHEMATICS COURSE | UNIVERSITY LA SAPIENZA, ROME, ITALY**

Nov 2016 - Apr 2017 | Training Course

## HONOR & AWARDS

### **SELECTED FOR A DOUBLE-DEGREE PROGRAM AT TELECOM PARISTECH | POLITECNICO DI TORINO, TURIN, ITALY**

Feb 2022

## SKILLS

### **LANGUAGE SKILLS**

- Italian: Native language
- English: Advanced (C1)

### **SOFTWARE SKILLS**

- Software Programming Languages: Python (Pytorch, NumPy), MATLAB, C++, C, C for Embedded Systems (HAL and LL Libraries), Java, SQL, JavaScript, Rust.
- Hardware Programming Languages: VHDL.
- Markup Language:  $\text{\LaTeX}$ .
- Web Programming Languages: HTML, CSS.
- Operative systems: Windows, Mac OS, Linux.