

Marco Praticò

Tel: (+39) 3663658285

marco.prattico@live.it | marco.prattico@studenti.polito.it |  marcopra

BIO

I am a first-year student of the Master's Degree in 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 to the technological development related to Deep Learning and Reinforcement Learning.

I love learning new things and 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"

Exams:

- Data Science and Database Technology: 30L/30
- Computer network technologies and services: 30L/30
- Big data: architectures and data analytics: 27/30
- Computer architectures: 30L/30
- Web Application 1: 30/30
- Software Engineering: 30/30

Average mark: 29.59

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

- Final Mark: 99/110

Exams:

- Applied Electronics: 30/30
- Electronics of Digital Systems: 26/30
- Electromagnetic Fields: 26/30
- Internet Laboratory: 30L/30
- Automatic Control: 23/30
- Theory of Signals and Telecommunications: 27/30
- Measures: 26/30
- Energy, Progress and Sustainability : 28/30
- Electrical engineering: 23/30
- Physics 2: 27/30
- Algorithms and Calculators: 21/30
- Mathematical Analysis 2: 29/30
- Mathematical Methods for Engineering: 30/30
- Electronic devices: 24/30
- Electronic Circuits: 28/30
- Computer Science: 18/30
- Linear Algebra and Geometry: 26/30
- Chemistry: 21/30
- Physics 1: 23/30
- Mathematical Analysis 1: 27/30

LICEO STATALE TERENCE MAMIANI | ROME, ITALY

September 2013 – July 2018 | Scientific Diploma

- Final Mark: 87/100

PROJECTS & EXPERIENCES

SIM-TO-REAL TRANSFER OF REINFORCEMENT LEARNING POLICIES IN ROBOTICS | POLITECNICO DI TORINO, TURIN, ITALY

Apr 2022 - present | Collaboration with VANDAL research group

[Link to github project](#)

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

July 2022 - present

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: Upper Intermediate (B2)

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: \LaTeX .
- Web Programming Languages: HTML, CSS.
- Operative systems: Windows, Mac OS, Linux.