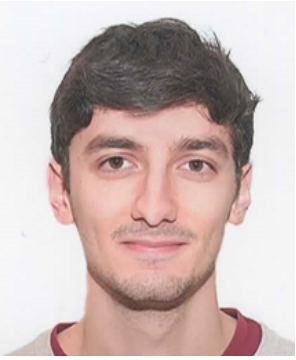

MARCO LA BARBERA

ELECTRONICS ENGINEER

I am currently enrolled as a first-year student in the master's degree of Electronics Engineering at Politecnico di Milano and I regularly keep up with my studies. My great passion for Electronics, Computer Science and Physics has given me a brilliant background in terms of knowledge and abilities, leading me to realize different oriented-projects such as the 6502 IC - based Computer, Quadcopter drone, Mechanic humanoid arm and Cloud Chamber for particle detection.

Italian

10/05/2001

via per Curnasco 11, Bergamo

+39 327 022 7002

marcolbr2001@gmail.com

www.marcolabarbera.com

KEY SKILLS

- Digital Electronic Systems
- Embedded Systems
- Microelectronics
- FPGA, Microcontrollers (Artix-7, PIC18, ATMega)
- C/C++, Python, MATLAB
- OrCAD Capture, LTSpice, KiCad
- VHDL, Verilog

LANGUAGES

Italian - Mother tongue

English - Proficient

CERTIFICATES

IELTS ACADEMIC

British Council (01/04/2023)
Overall Band Score: 6.5

ECDL

AICA (23/05/2019)
ECDL standard certificate

EDUCATION

XX/07/2025 - 14/09/2023

Politecnico di Milano - Milan, Italy

MSc in Electronics Engineering

Course Highlights:

- Analog Circuit Design
- Microelectronic Technologies
- Digital Integrated Circuit Design
- Electromagnetic Compatibility (EMC)

21/07/2023 - 14/09/2020

Politecnico di Milano - Milan, Italy

Bachelor's Degree in Electronics Engineering

Course Highlights:

- Digital Electronic Systems
- Analog Electronics
- Microcontrollers
- Solid State Electronics
- Electromagnetic Fields and Optics

26/06/2020 - 14/09/2015

Liceo Scientifico L. Mascheroni - Bergamo, Italy

Secondary-school diploma at Liceo Scientifico, option of applied Science

WORK EXPERIENCES

23/10/2020 - 09/05/2019

Bergamo Science Center - Bergamo, Italy

Collaboration between: School, BSC and INAF

- Create a suitable environment in order to acquire and show data proprerly from the ArduSiPM board, an electronic system designed to control the Silicon Photo Multiplier, a single-photon-sensitive device.
- Improve the operation of a INAF's cosmic ray prototype detector composed of a couple of geiger tubes. I integrated it with a microcontroller to be able to extrapolate, analyze data and discriminate type of particle.
- Check parameters for the correct operation of a cloud chamber.