Contact

lorenzoperlo@gmail.com

www.linkedin.com/in/lorenzo-
p-38817116a (LinkedIn)
github.com/TIT8 (Personal)

Top Skills

MATLAB

Solido DE

Transistors

Languages

English (Full Professional)

Italian (Native or Bilingual)

Lorenzo Perlo

Student at Politecnico di Milano
Verzuolo, Piedmont, Italy

Experience

Allegro MicroSystems
Analog Design Intern
November 2024 - Present (5 months)
Prague, Czechia

Design and layout (running post layout simulations) of a fully differential
comparator and a DAC for threshold generation, required in overcurrent fault
detection. Working on Cadence Virtuoso, Solido DE, with Verilog-A models to
model signals and concepts while designing and Matlab to plot data.
Master Thesis

Trevi Vibratori SRL
Electronic Engineer
September 2024 - October 2024 (2 months)
Villafranca Piemonte, Piedmont, Italy

CPM controller for the switching frequency and the jumping frequency of
the electromagnets inside Trevi's Jumping Feeder, while maintaining low
temperatures inside the machine Just to learn the layout, I started with CMOS
gates from Onsemi on the PCB (and it's working out there). An FPGA is happy
to help with parallel control of multiple electromagnets.

Politecnico di Milano
Student Tutor
September 2023 - March 2024 (7 months)
Milan, Lombardy, Italy

Tutor on Analog Circuit design (OTA, active filter and negative feedback)

Trevi Tech/Vibratori SRL
Electromechanical Technician
September 2021 - August 2022 (1 year)
Villafranca Piemonte, Piedmont, Italy

Power electronics (gate driver and power mosfet), from an application point of
view (PCB design). DRV110.
FPGA (soft processor), microprocessor, various peripheral.
RTOS, TCP/IP and MQTT.

Jumping Feeder, Denso and Pilz.

Siemens PLC.

Politecnico di Milano
Student Tutor
August 2019 - February 2021 (1 year 7 months)
Milan, Lombardy, Italy

Help with organization of study material and with the use of the online services
to student with disabilities.

Trevi Tech/Vibratori SRL
Mechanical Technician
June 2018 - August 2018 (3 months)
Villafranca Piemonte, Piedmont, Italy

Uso di macchine a controllo nunerico

AMBROGIO MARCO & C SNC
Electrical Technician
February 2016 - August 2017 (1 year 7 months)

400 hours of stage, learn something also in PLC and in domotics

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Education

Politecnico di Milano
Master of Engineering - MEng, Electrical and Electronics
Engineering · (2021 - 2025)

Politecnico di Milano
Bachelor of Engineering - BE, Electrical and Electronics
Engineering · (September 2018 - September 2021)

edX
Electrical and Electronics Engineering · (February 2023 - March 2023)

Politecnico di Milano
Passion in Action, Wireless communications · (March 2022 - May 2022)

edX
Computer science, Back-end development in Python · (February 2020 - April
2020)