



6 month technical internship
February 2025

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PARIS. 75015



Lorenzo
MARROCCHI

ENGINEERING STUDENT

PROFILE

I am a 22-year-old student at ECE Paris.Lyon engineering school. My studies focus on electronics and computer science, with a specialization in Embedded Systems. I have gained a solid foundation in electronics, both hardware and software, and how they work together. With a strong interest in robotics and aerospace, my studies also include hands-on projects in these areas.

LANGUAGES

Italian - Bilingual
 English - B2 (TOEIC 855)

EDUCATION

- | | |
|---|---|
| 2020 - Current
5 years | ECE Paris.Lyon
ENGINEERING SCHOOL <ul style="list-style-type: none">• Embedded Systems specialization (M2) |
| March 2023 - July 2023
5 months | University of Malaya
INTERNATIONAL SEMESTER <ul style="list-style-type: none">• Kuala Lumpur, Malaysia |
| 2017 - 2020
3 years | High School Jean-Jacques Rousseau <ul style="list-style-type: none">• Scientific high school diploma• French - Italian double diploma |

PROJECTS

UNDERWATER DRONE

Prototype of a submersible vehicle for underwater experimentation and surveillance. Development planned for 2024-2025

REAL TIME SIGN LANGUAGE TRANSLATION

Deep Learning project for a Sign Language interpreter, translating a video signal into corresponding letters. Using Python, Open CV and Tensorflow.

DRONE

Design of a drone and its remote control. In the development phase. We develop on microcontroller and produce the PCB. Programmed with Arduino

ROBOTICS COMPETITION

Competition (ECECUP) in which different groups of students confront each other. The robot must meet the requirements and carry out different tasks in order to win points. Programmed with Arduino and OpenCV.

BATTLESHIP

Simplified version of the battleship board game. Made in C.

AIR TRAFFIC CONTROL SIMULATION

Program to simulate air traffic control in 2D. Programmed in C++ and Allegro.

MY PORTFOLIO

More on my website : lorenzomarrocchi.com

WORK EXPERIENCE

PARROT

Quality and Validation Engineer

may 2024 - august 2024

4-month internship

- Developing test plans, designing cases, non-regression tests, field tests, reporting in TestRail, detecting anomalies and participating in reviews for continuous improvement.

ECE PARIS.LYON

Practical work assistant

sept 2023 - april 2024

fixed-term contract

- Assist teacher by guiding students through practical work (IT and electronics)

GENERATION (123G)

Data Managment

dec 2022 - jan 2023

5-weeks internship

- Development of a marketplace and online sales site.
- Adding new products, while ensuring efficient inventory management.

TECHNICAL SKILLS

Embedded Systems	Software Development
Arduino	Python
Unix	C, C++
Assembly	Tensorflow, PyTorch
FPGA	Anaconda
Kicad	Html, CSS
Raspberry	

HOBBIES AND INTERESTS

- Aerospace - Member of "Ece espace"
- Photography - Member of "Jbtv"
- Sport - Martial arts (Karaté & Boxing)
- Video editing - Premiere & After Effects