# Lorenzo MARROCCHI
## EMBEDDED SYSTEMS ENGINEER
AVAILABLE FROM DECEMBER 2025

## Profile

Embedded Systems Engineer (Master's level), seeking new opportunities to apply my skills in electronics, programming, and robotics to meaningful and innovative projects.

## Contact

**E-mail**
lorenzomarrocchi02@gmail.com

**Phone**
+33 763744001

**Portfolio**
https://lorenzomarrocchi.com/

## Skils

**Embedded Systems**

Arduino, Unix, Assembly, Vivado, FPGA, KiCad, Raspberry

**Software**

Python, C, C++, Tensorflow, Pytorch, Qiskit, labview, html, css

**Outils**

Git, GitHub, VSCode, Anaconda, Jira, Trello, Notion, Suite Adobe

## Certifications

- Driver's license
- TOEIC 855

## Languages

- Italian – Bilingual
- English – B2

## Hobbies and Interests

Aerospace (member of ECE Espace), Photography (member of JBTV), Martial arts, Travel and hiking, DIY and maker projects

## Education

**ENGINEERING SCHOOL  -** ECE Paris.Lyon
Embedded Systems Major - Quantum Computing specialization
2020 - 2025

**INTERNATIONAL SEMESTER -** University of Malaya
Kuala Lumpur, Malaysia
2023 - 5 months

**Scientific high school diploma-** Lycée Jean-Jacques Rousseau
French - Italian diploma - Specialization in Physics-Chemistry
Talens Certificate - ENS mentoring program

## Projets

### Underwater drone
- Prototype Design of a Low-Cost Submersible for Scientific Experiments and Environmental Monitoring

### Hugging Face Hackathon 2025
- Development of a gesture-based interface for robotic arms. Currently finalizing integration, aiming to provide more natural control and adaptability across various environments.

### 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.

### 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.

### MY PORTFOLIO
- More on my website : lorenzomarrocchi.com  . Html, CSS and Javascript

## Work Experience

### AIRBUS Defence & Space
Systems Development Engineer Intern
6-month internship : March 2025 - September 2025
- Developed human-machine interfaces for controlling hexapods and optical stages. Implemented control algorithms, conducted testing and validation, and collaborated with the AIT Optical Instruments team for integration and system optimization.

### PARROT
Quality and Validation Engineer
4-month internship : May 2024 - August 2024
- Developing test plans, designing cases, non-regression tests, field tests, reporting in TestRail, detecting anomalies and participating in reviews for continuous improvement.