



## CONTACT

- lorenzomarrocchi02@gmail.com
- lorenzomarrocchi.com
- Paris, France

## SKILLS

### Embedded Systems

- C
- C++
- Arduino
- Raspberry
- Emb. Linux
- IoT
- microcontrollers
- Proteus
- Assembly
- LabView
- RTOS
- I2C / SPI
- FPGA
- Kicad

### Software

- Python
- Tensorflow
- Pytorch
- Qiskit
- OpenCV
- HTML
- CSS

### Tools

- Git
- Github
- Cura Slicer
- Shapr3D
- Jira
- Trello
- Notion
- Adobe Suite

## LANGUAGES

French	Native
Italian	Bilingual
English	Fluent B2

## CERTIFICATIONS

Driver's License	
TOEIC	855

## HOBBIES & INTERESTS

- Aerospace
- Photography
- Martial Arts
- Hiking
- Travel
- Maker Projects

# LORENZO MARROCCHI

## EMBEDDED SYSTEMS ENGINEER

### PROFILE

23-year-old Embedded Systems Engineer, I am passionate about technology, particularly electronics and robotics. I aim to contribute to the development of innovative solutions and participate in concrete technical projects.

### WORK EXPERIENCE

#### AIRBUS DEFENCE & SPACE

March 2025 – Sep 2025

##### *System Development Engineer*

6-month internship focused on designing human-machine interfaces for space optical alignment on GSE equipment. Hexapod control, interferometric measurement processing, and reverse engineering of motorized stages.

#### PARROT

May 2024 – August 2024

##### *Quality and Validation Engineer*

4-month internship dedicated to functional validation including test plan creation, field trials, and non-regression testing. Defect tracking on TestRail and contribution to continuous improvement reviews.

### PROJECTS

#### Underwater Drone

Design of a low-cost underwater drone for experimentation and monitoring.

#### Hugging Face Hackathon 2025

Development of a gesture interface for robotic arms. Aiming to make control natural and adaptable.

#### Real-Time Sign Language Translation

Real time sign language recognition system using machine learning (Python, OpenCV, PyTorch).

#### Robotics Competition

ECECUP competition. Design of an autonomous robot meeting strict requirements. Programmed with Arduino and OpenCV.

#### My Portfolio

My personal website: [lorenzomarrocchi.com](http://lorenzomarrocchi.com). Portfolio dedicated to showcasing my projects. HTML, CSS, JS.

### EDUCATION

#### ENGINEERING SCHOOL – ECE PARIS.LYON

2020 – 2025

Embedded Systems Major – Quantum Computing Option

#### INTERNATIONAL SEMESTER – UNIVERSITY OF MALAYA

2023 – 5 months

Kuala Lumpur, Malaysia

#### SCIENTIFIC HIGH SCHOOL DIPLOMA

2020

*Lycée Jean-Jacques Rousseau*

French-Italian double diploma – Physics-Chemistry Option  
Talens Certificate – ENS mentoring program