



CONTACT

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- 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

24-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. 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