



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

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+33 763744001

Portfolio
<https://lorenzomarrocchi.com/>

Skills

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.