

AGATHE VALENCE

EMBEDDED SYSTEM ENGINEER

As an embedded systems engineer with a passion for robotics, I stand out for my curiosity, critical thinking and thoroughness. I'm keen to get involved in innovative projects in embedded systems, to contribute to concrete, high-impact advances. My aim is to continue to develop my technical skills and take on new challenges in the field of embedded systems engineering.



EXPERIENCES

EMBEDDED SYSTEM ENGINEER

12.2024 – 06.2025

CLEEVEN – Client (JETAVIATION) . Basel, Switzerland

Working for Jet Aviation as an electronics systems engineer, I'm involved in the interfacing and development of the various systems used in the IFE/IFX (In-Flight Entertainment/eXperience) systems on private aircraft and jets with different type of communication (RS 232; RS 485; ARINC, etc.).

EMBEDDED SYSTEM ENGINEER – INTERNSHIP

03.2024 – 09.2024

ALTEN. Paris, France

Development of a fleet of autonomous, intelligent robots:

Python programming under ROS2, use algorithms for autonomous navigation, develop a modular and extensible, design and integration of communicating sensors, robotics simulation. Utilisation of Raspberry Pi 4 and Arduino.

EMBEDDED SYSTEM ENGINEER – INTERNSHIP

11.2022 – 03.2023

STIMSHOP. Paris, France

Design, production, assembly, programming, tests, experimental characterization, signal processing and data analysis of an ultrasonic-driven energy saving system (STM32, Python, C).

EDUCATION

EFREI PARIS – ENGINEER SCHOOL

2019 -2024

Specializing in Robotic Systems and UAVs. Embedded systems design (PCB, 3D modelling), mobile robotics, introduction to AI and ROS. Autonomous navigation and fleet control, prototyping RF systems and transmission security, design, IoT, etc.

CONTACT

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[my portfolio](#)

LANGUAGES

French : Mother tongue

English : TOEIC 920/990

Spanish : A2

NORMS

- DO 178
- AMDEC
- ARP4754

TECHNICAL SKILLS

C / Python / Java / VHDL / Matlab
STM32 / Arduino / ESP8286 / RPi
UART / RS-232 / RS-485 / SPI / I2C
SolidWorks / Fusion360 / EasyEDA

ACTIVITIES

American football : 2 years in a club

Drones : I own my own drone and was a board member of my school's drone club. I organized the event "FlyForEveryone": outings to allow hospitalized people to escape for a moment by experiencing immersive flights.

Travels : US West Coast, New York, Croatia, the United Kingdom, the Canary Islands, Belgium, Luxembourg, Switzerland, Canada, Guadeloupe, and Hungary.