

# 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.

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### CONTACT

Saint-Louis, FR / Basel, CH

Permis G

+33 6 49 66 15 17

<mailto:agathe.valence@efrei.net>

[linkedin.com/in/agathe-valence/](https://www.linkedin.com/in/agathe-valence/)

[my portfolio](#)

### LANGUAGES

Français : Mother tongue

Anglais : TOEIC 920/990

Espagnol : A2

### NORMS

- DO 178
- ISO 9001
- AMDEC

### TECHNICAL SKILLS

C/Python/Java/VHDL/Matlab

STM32/Arduino/ESP8286/RPi

UART/RS-232/RS-485/SPI/I2C

SolidWorks/Fusion360/EasyEDA

### EXPERIENCES

#### EMBEDDED SYSTEM ENGINEER

12.2024 – 06.2025

##### Cleeven – client (JetAviation)

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.

#### EMBEDDED SYSTEM ENGINEER – INTERNSHIP

03.2024 – 09.2024

##### Alten

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.

Microcontrollers used: Raspberry Pi 4 and Arduino

#### EMBEDDED SYSTEM ENGINEER – INTERNSHIP

11.2022 – 03.2023

##### Stimshop

Design, production, assembly, programming, tests, experimental characterization 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.

### 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.