

Clotilde Levesque

FIRMWARE ENGINEER

Always up for new adventures

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- 📄 Driving licence (B)
- ☎ +33 6 50 57 09 26

Languages

- English** Fluent
- French** Native
- Spanish** Level B2

Language Exchanges

- Perth - Australia** 1 month total immersion, staying with host family (2017)
- Cape Town - South Africa** 5 weeks total immersion at Herschel Girls School (2015)

Interests

- Bouldering & Rock Climbing** Practice of lead climbing & bouldering, indoor and outdoor at a competitive level
- Music**
 - Classical guitar
 - DJing
 - Electronic music composition and sound design
- Electronics** Repair of various electronic equipment, Raspberrypi, Arduino, ESP32, 5th in the 2021 edition of robotics french cup

Other Experiences

- Tutoring** Private mathematics lessons for Grade 12 pupils, programming lessons for 3rd year students
- Volunteering** Sports coaching, managing stands for a Roller Hockey club
- Charity work** Four years of experience with non-profits: Student Council; Synergie (gender & racial equality); Evolutek (robotics association); Unisson (Eletronic music association)
- Amusement ride operator** Respect of security protocols in "Le Jardin d'Acclimatation" amusement park.

Work experience

- Since May 2025
 - Hardware Engineer**
Alcatel Submarine Networks Les Ulis, France
 - Work on Long-Haul Networks Solutions :
 - Internal debugging tools in **Python**
 - Work on boards in **C / C++**
 - Versioning with **git, SVN, ClearCase**
- From April 2024 to November 2024
 - Firmware Engineer**
GoPro Paris
 - First experience as a contingent worker then as a Full Time Employee
 - Design & implementation of camera features in **C/C++**
 - Tooling environment development in **Rust**
 - Agile methods **Jira, Jenkins** for project management
 - **Python TestSuite, Github Actions** for CI/CD.
- From January 2021 to January 2023
 - Student Researcher**
EPITA SEAL Paris
 - Part of the SEAL research team. Design & development of exploration robots in the field.
 - Computer vision & Image processing (**OpenCV, ORBSlam, YOLO**)
 - **ESP32** drivers in **C++/C**
 - **RaspberryPi & Arduino**, dedicated **PCB design**
 - **Linux Drivers**
 - Embedded Linux with **YOCTO**
- From July 2023 to January 2024
 - R&D Engineer Internship**
Kickmaker Paris 15
 - Project specification and design
 - Debugging tools development for target running **Zephyr RTOS in C**
 - Rest API for post mortem codump analysis in **Python/Django**
 - **Kanban** method for project organisation
- From September 2021 to February 2022
 - R&D Engineer Internship**
GDI SIMULATION Élancourt, France
 - Design & Research for **standardization** of communication in simulation systems for MBDA battlefield missiles.
 - Implementation of an **MQTT** communication module in **C++**
 - **Cross compilation** and **Windows** development environment
 - Integration & **end to end testing** of the modules

Education

- From 2018 to September 2023
 - School of Computer Science Engineering**
EPITA Paris
 - Specialised in GISTRE major for real time embedded systems, computer architecture and system programming. Overview of various technologies :
 - **ARM, RISC-V & Computer Architecture**
 - **Linux Kernel and Device Drivers & RTOS**
 - **Automation & SciLab**
- 2017
 - General Baccalauréat Science pathway – Pass with High Honors**
Lycée Bellepierre Saint Denis Reunion Island
 - Majoring in Mathematics
European Section (English) option