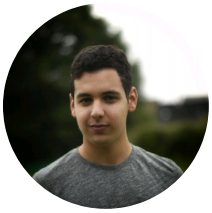

Farès CHATI

EMBEDDED SOFTWARE ENGINEER

24 years old
faresticha@gmail.com
78000 Versailles, France
13090 Aix-en-Provence, France
French
Driving licence (B)
+33 7 81 33 59 43
https://github.com/Farossco/

Languages

French Mother tongue

English Professionnal (C1 Level)
Linguaskill Certification : 180+

Programing languages

C / C++

VHDL

Java

Assembly

Python

Linux Shell

More informations

Travels London, Qatar, Spain, Turkey

Interests Comedy, biking, swimming, Ju-Jitsu.

Education

From 2018 to 2021
Engineering degree in embedded systems
Polytech Grenoble (38), France

From 2015 to 2018
Technical Degree (DUT)
IUT de Vélizy Vélizy-Villacoublay (78), France
Electronics and computer science (GEII)

From 2014 to 2015
Technological Baccalauréat (STI2D)
Lycée Jules Ferry Versailles (78), France
- Electronics and computer science specialisation (SIN)

Work experience

Since December 2021
Embedded software engineer
BorgWarner Bascharage, Luxembourg
Low-level embedded development in **C language** on an **AUTOSAR** automobile environment.

From April 2021 to September 2021
Internship - Embedded development
Intellinium Aix-en-Provence, France
Development of **real time** systems in embedded environment. Development with the Zephyr RTOS environment on **Nordic (nRF52840, nRF5340, nRF9160)** cards using **Bluetooth LE** and **LTE** protocoles on separated cores.

From October 2018 to May 2020
Project - Setting up the "Connected Greenhouse"
Les jardins du Coteau Saint-Cassien, France
Setting up low-power **STM32** driven **sensors** powered by batteries with Lora-Wan communication for the monitoring of 6 greenhouses with real-time graphs.

2016
Project - Lumos - Connected alarm clock
Personnal project
Developed from an **ESP32** a lamp / alarm clock **connected to the internet** controllable from an **Android** application as well as a **Bluetooth touch screen**.

Technical Skills

Embedded systems
Programmation of **µControler (C8051, STM32, Arduino, ESP, nRF, Aurix)** in **C**, **C++** and **Assembly**.
Bluetooth, **LTE and Wi-Fi (ESP, nRF)** communication protocoles.
Real time systems on RISC-V et **ARM** architectures.

Electronics
Digital and **Analog** Electronics.
Electrical Authorization (B1V).

Automatism
Programming of **Schneider machines** in **Grafcet**, **Ladder and Structured Text**.
Analog and digital **Control Systems**.

3D Printing
3D modeling on **SolidWorks** et **3D printing**.