

Victor Salazar

EMBEDDED SYSTEMS ENGINEER · C/C++ DEVELOPER

18, rue des Roses, 75018, Paris, FRANCE

☎ (+33) 0766445477 | ✉ xavicoel@gmail.com | 🏠 xavisalazar.github.io/portfolio/ | 📱 xaviSalazar | 🌐 v-salazar-developer

Summary

Passionate about new technologies, always curious with creative solutions. I am a nerd who loves linux to create a customized working environment. I am always interested to search the easiest, low-cost and reliable solution to my projects.

Work Experience

InoSYSTEMS (Air Liquide Medical Systems) via ADENTIS

Paris, France

C++ SOFTWARE DEVELOPER

Oct. 2022 - Present

- I develop new features for their iNO delivery & monitoring system.
- Deployed an I2c interface using a STM32 microcontroller for a new oxygen sensor.
- Debugged a CAN bus with the help of Kvaser leaf tooling.
- Deployed C++ Unit tests(stubs, mocks) with google TESTS.
- Used Tools: C++, Docker, Qt Creator, CAN.

VEDECOM via ADENTIS

Paris, France

C++ SOFTWARE DEVELOPER

Oct. 2021 - Octobre 2022

- A software mission for VEDECOM(Electric Vehicule Research Institute). Where I worked for a backend C++ solution.
- Increased request-response latency time with 25.0 ratio by using BOOST C++ library.
- I delivered docker containers solutions to build SPI and I2C interfaces to test new microcontrollers.
- Deployed C++ Unit tests with google TESTS.
- Used Tools: C++, Python, Docker, BOOST C++, Google Tests, Qt Creator, CAN, Websockets, Boost Asio Library.

COCOPARKS

Paris, France

EMBEDDED SYSTEMS INTERN

March. 2021 - Sep. 2021

- Developed a prototype for an Embedded Machine Learning Product.
- I delivered a PCB board which I designed the hardware schematics and also coded the C++ modules.
- I integrated a tinyML model inside an ESP32 with the TensorFlow Lite framework.
- Used Tools: C++, Python, TensorFlow Lite, stb_image library.

LIEBHERR

Toulouse, France

EMBEDDED SYSTEMS INTERN

May. 2020 - Sep. 2020

- I designed a Human-Machine interface with low latency communication with C++.
- Increased visual motor testing time by 100% by plotting real time data.
- Used Tools: C++, Python, Qt Creator, Debian, Git, Raspberry Pi.

Education

Embedded Systems Master

Toulouse, France

UNIVERSITÉ PAUL SABATIER

Sep. 2019 - Sep. 2021

Electrical Engineering Bachelor's Degree

Quito, Ecuador

UNIV. SAN FRANCISCO DE QUITO

August 2013 - May 2018

Extracurricular Activity

Web design and API integrator

- I am curious about the existing APIs for meta products, so I do some research and start to develop my own backend and frontend pages.
- Also highly curious about chatbots, I read articles in medium about Natural Language Processing and use python to work.

Sports & Gym

- I enjoy soccer matches with friends and family
- I am also constantly going to the gym at least 3 times per week