

VICTOR SALAZAR

SOFTWARE DEVELOPER

ABOUT ME

I am passionate about new technologies, always curious with creative solutions. Always achieving to develop a fast and robust system.

I am open-minded with good interpersonal skills, thanks to my multiple intercultural learning with many enriching experiences. My personal abilities will make me a perfect gear for your team.

- English C1 level (CEFR reference)
- French C1 level (CEFR reference)
- Spanish Mother tongue



Paris, France



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Age: 27



Ecuadorian

PROFESSIONAL SKILLS

Programming languages and computer networks

- C, C++, VHDL, UML, Matlab & Simulink, Python, Labview, OpenCV, TensorFlowLite, TinyML
- Operating systems : Linux, Windows, FreeRTOS
- OSI model, TCP/IP, UDP, Ethernet, CAN, SSH.
- BOOST ASIO, ZeroMQ.

Electronics, automation and systems engineering

- Microcontroller development boards 8, 16 et 32 bits,
- Object-Oriented Programming.
- Raspberry Pi Microprocessor
- Computer-aided design : eagleCAD, Pspice, Proteus.
- Digital and analog signal processing
- Systems Engineering Solutions (UML modeling with V model)
- Project Management: Agile Methodology and scrum.



EDUCATION

Embedded Systems Master

Paul Sabatier University, Toulouse-France |
September 2019 - September 2021

Language exchange program (French)

EF Education First , Nice-France |
September 2018 - May 2019

Electrical Engineering Bachelor's Degree

Univ. San Francisco de Quito, Ecuador |
August 2013 - May 2018



WORK EXPERIENCE

Software Developer at ADENTIS - Paris, France

October 2021 - Present

Responsible for moving python modules into C++ code

- Building asynchronous RESTful services with C++.
- Networking programming with C++.
- Building c++ applications in a Linux Docker container.

- **Used tools** : Linux operating system, Docker, git, C++, python, websockets, HTTP and TCP, Boost Asio Library

Embedded Systems Intern at COCOPARKS - Paris, France

March 2021 - September 2021

Responsible for developing an embedded system image classification

- Code a real-time prototype with an AI image classification integrated tool in C++.
- Working with image in array representation to apply image processing.

- **Used Tools**: Python, TensorFlowLite, OpenCV, C++, Git, ESP32, Raspberry Pi, stb_image library

Embedded Systems Intern at LIEBHERR AEROSPACE - Toulouse, France

May 2020 - September 2020

HMI development for continuous monitoring and control of a motor test bench

- Design of a Human-Machine Interface with real-time data processing in C++.
- Identified ways to make data files and profile sessions for different users.
- Used Tools : Qt Creator, C++, Python, Linux, Git, Bash, Raspberry Pi