

# Victor Salazar

EMBEDDED SYSTEMS ENGINEER · C/C++ DEVELOPER

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## 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 Health Care ( Adentis Consultant )

Paris, France

C++ SOFTWARE DEVELOPER

Oct. 2022 - Present

- Developed new features for their version 2 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.
- *Development tools* 🛠 (Debian, C++, QT, CMake, Redmine, SVN, Docker, Jenkins)
- *Tests & debugging* 🛠 tools ( GDB, Google TESTS, Kvaser Leaf tooling)

### VEDECOM ( Adentis Consultant )

Paris, France

C++ SOFTWARE DEVELOPER

Oct. 2021 - Octobre 2022

- Implemented new RESTful API features for their backend C++ solution (QT Creator)
- Deployed new features according to the Open Charge Point Protocol in order to communicate with a network management system.
- Deployed a Web-socket server with BOOST C++ to test a less expensive solution for their charging station.
- *Development tools* 🛠 (QtCreator, Boost C++, ZeroMQ, Docker, Meson build, Valgrind)
- *Tests & debugging* 🛠 tools (Boost Tests, Google Tests, Logic analyzer)

### COCOPARKS

Paris, France

EMBEDDED SYSTEMS INTERN

March. 2021 - Sep. 2021

- Developed a prototype for an Embedded Machine Learning Product.
- Delivered a PCB board which I designed the hardware schematics and also coded the C++ modules.
- Integrated a tinyML model inside an ESP32 with the TensorFlow Lite framework.
- *Development tools* 🛠 (Embedded Linux, Free-RTOS, C++, Python, Git, Tensorflowlite, ESP32, Raspberry Pi)

### LIEBHERR

Toulouse, France

EMBEDDED SYSTEMS INTERN

May. 2020 - Sep. 2020

- Deployed a Human-Machine interface with low latency communication with C++.
- Increased visual motor testing time by 100% by plotting real time data.
- *Development tools* 🛠 (C/C++, 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