



VICTOR BILLAUD

French student seeking a 6-month Internship in Embedded Software from Feb. 2024 to July. 2024

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Compiègne, France

Victor Billaud

EXPERIENCES

Embedded Software Intern

Valeo (Valeo Vision Systems)

Sept. 2022 – Feb. 2023

Tuam, Ireland

- Creation of an IPC library in a QNX RTOS.
- Creation of a pixelation system (GPU-accelerated).
- Creation of a color-space library (GPU-accelerated).

C/C++

OpenCL

vulkan

QNX

Test Driven Development

Software Developer Intern

EFA France

April 2021 – June 2021

Fondettes, France

Improvement of a voice-command system and its interface.

Python

Bash

Linux

Qt

Software Development

Tutoring in Sciences (Volunteer)

Candide UTC

October 2021 – Present

Compiègne, France

Tutoring in mathematics among high-school students.

Mathematics

Physics

Pedagogy

Tutoring in Electronics

Université de Tours

March 2021 – April 2021

Tours, France

Tutoring in electronics among first-year college students.

Electronics

Electricity

Pedagogy

EDUCATION

Master equivalent (French Engineering Diploma) in Computer Engineering

Université de Technologie de Compiègne

September 2021 - July 2024

Compiègne, France

Main courses taken: Algorithms & Data Structures in C, OOP in C++, UML modeling, ROS & Unix Programming, Graph theory, Advanced mathematics, VR Programming, Automation and Robotics.

Two-year cores studies diploma in Electrical Engineering, Industrial Data-Processing and Automation

Université de Tours

September 2019 - July 2021

Tours, France

Main courses taken: Theory in Electronics, Automation and Electricity, HMI creation, Embedded Computing Development using Python, C & C++.

AWARDS



FANUC ICN Competition

Gold Medalist of the 2021 edition

HMI creation

Ladder

G-Code



WorldSkills France Competition

Finalist in the "Mechatronics" field

PLC prog.

Mechanics

Electronics

SKILLS

C/C++/C#



Python



Linux programming



Technologies:

ROS

ST

SFC

Qt

Git

Ladder

LabVIEW

MATLAB

Arduino

OpenCL

OpenCV

Unity

Soft Skills:

Curiosity

Creativity

Teamwork

Adaptability

Leadership

LANGUAGES

French (Mother Tongue)



English (C1)



Spanish (B1)



INTERESTS

Sports:

Running for 2 years (Half-marathons and Trails), Basketball in competition for 13 years, Hiking.

Hobbies:

Reading (self-development, essays, literature), Writing, Personal computing projects.