

TRUNG HIEU LE

@ letrunghieu10111996@gmail.com ☎ 0777785733 in le-hieu
🌐 <https://github.com/hieule96>



EXPERIENCE

Laboratoire I3S - CNRS

Phd student

Development of a real time video transmission system for remote control vehicle

📅 Novembre 2020 📍 Sophia Antipolis, France

- Development of a multiple descriptions coding solution based on HEVC standard.
- Evaluation of the solution developed with the ns-3 network simulator under a 5G channel model.
- Results: 2 scientific papers written, one simulation model.

FDI Matelec - URMET SA

Embedded System Development Engineer - Internship

Development of a solution for real time video transmission over the 4G LTE network

📅 Février 2020 – Août 2020 📍 Les Landes-Génusson, France

- Participation in the development of a MJPEG video transmission over UDP protocol through the 4G network.
- Improve the stability of the videophone system running on FreeRTOS.
- Result: increase the number of images transmitted per second from 3 to 15.

CP George Renault Company

Student - Study Project

CAN - MQTT Gateway for Industrial Equipment

📅 Septembre 2019 – Janvier 2020 📍 Nantes, France

- Design and development of a solution for converting CAN messages from wired to MQTT in wifi.
- The result: a first prototype that connects the old production machines to the company's wifi network in order to centralize management on the server.

Da Nang Institut International of Technology

Developer - Internship

Fruit type classification based on infrared spectrum

📅 Juin 2019 – Septembre 2019 📍 Da Nang, Viet Nam

- Fruit identification application by infrared spectrum using machine learning.
- Creation of a graphic interface between the computer and the spectrometer.
- Result: First Machine Learning prototype with 80 % accuracy on detection.

SKILL

Programming languages: Java, C, C++, Python

Simulation: Modelsim VHDL, ns-3

Technology: Microcontrôleur ARM, FPGA, FreeRTOS, Linux

Tools: GitHub, CMake

LANGUAGE

English (TOEIC 860) ●●●●●●●●
Vietnamese ●●●●●●●●
French ●●●●●●●●

EDUCATION

Electronic Engineering degree
(Master degree)

Polytechnic School of Nice University

📅 2020 📍 Nice-France

Preparatory class (Bachelor's degree)

Polytechnic School of Orleans University

📅 2020 📍 Orleans-France

High school degree

Jean de la Fontaine High School

📅 2015 📍 Paris-France

SOCIAL ACTIVITY

Librarian

Nice Sophia University Library

📅 Janvier 2019 – Juin 2019

President

Association of Vietnamese students in Orleans

📅 Septembre 2016 – Juin 2017

HOBBY

Table tennis

Development of personal projects

Cultural activity