TRAN QUOC TUAN

IoT Embedded Engineer

INFORMATION

Birthday: 04/01/1998

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OBJECTIVE

My career objective is becoming master in the field of IoT. In the next two years, I want to research data transmission standards and develop agricultural application hardware myself

SOFT SKILL

- Self-research and reading science paper skill
- Comfortable working in product development environment.

INTERESTS

- Traveling
- Reading book

EDUCATION

06/2016 – 08/2020 **HCMC University of Technology and Education**

- Major: Mechatronics Engineering Technology
- GPA: 7.57/10

WORK EXPERIENCE

09/2017 – 06/2020 **Laboratory in university**

05/2019 – 06/2019 **Internship at Le Gia company**

04/2018 – 09/2018 **Research staff member at Indruino company**

WORKING SKILL

- Programming skill in C/C++, Python
- Experience with Stm32, Pic, Arduino, Raspberry, Jetson nano
- PCB design in Proteus, KiCad.
- Experience with GitHub
- Working on Linux

PROJECT WORKING

01/2020 – 07/2020 **Deep leaning for detect and track vehicle**

- Descriptions: Vehicle detection and tracking in Vietnam's traffic using OpenCV, yolov3 on Jetson Nano
- Languages: Python
- Contributions: Processing and training data on Google Colab

09/2019 – 12/2019 **Embedded System project**

- Descriptions: Device control via local network using Raspberry Pi3
- Languages: HTML, C
- Control and update data via MySQL

01/2019 – 04/2019 **Temperature control**

- Descriptions: Light control with the automatic PID control system
- Languages: C language using Keil-c compiler
- Using module Stm32f103c8t6 and SSR
- Contributions: Programming PID for the project

06/2018 – 03/2019 **Digital Race 2019 FPT competition**

- Descriptions: Car control in ROS and unity 3D
- Languages: C++, python
- Contributions: Lane detection and sign classification using OpenCV, yolov3