HOANG DINH TOAN

Ho Chi Minh City, Vietnam

📞 +84 388 161923 ✉ hoangtoancsgl@gmail.com 🔗 linkedin.com/in/hoangtoancsgl 🐙 github.com/hoangtoancsgl

Education

Ho Chi Minh City University of Technology **August. 2018 – Present**
B.Eng. Electronics & Telecommunications; CGPA: 8.15/10 *Ho Chi Minh City*

Technical Skills

Hardware: Soldering electrical & electronics circuits, Making PCBs, reparing electrical and electronics devices.
Software: Proteus, Altium Designer.
Programming: C/C++, Assembly.

Projects

Automatic Fertigation Machine Dosing System for Hydroponic System | *ESP32, FreeRTOS, MQTT* **May 2022**

Building a system that helps to fine-tune nutrients and PH of hydroponic. The nutrients, moreover, can be monitored and configured effortless via my web application.

Smartkey motorbike | *MS51FB9AE* **April 2022**

A mini and modular anti-thief device for the motorbike. The main module is MS51FB9AE used. Furthermore, the device facilitates finding the bike.

Fireworks LED Lights | *STM32, LED 1903* **January 2021**

Using STM32F103C8T6 kits to develop LED systems that simulate fireworks (including audio). With the product, I ran a business and made a satisfied profit in Tet holiday.

Water Leaks Detector | *ATMEGA328P, MAX485* **May 2021**

Detecting water leaks in the area; alerting the alarm and sending status to the server using RS485 to notify.

DTMF Remote Controller | *AT89S52 (8051), MT8870 (DTMF decodedr)* **November 2020**

I researched on dual-tone multi-frequency and found it interesting. I, therefore, made use of it to create a circuit to control devices from anywhere by the phone signal.

Activities

Thong Hoang Band **October 2018 – Present**
Sound Technician *Di An, Binh Duong*

- Assisting to produce a live performance, balancing and adjusting sound sources.
- Repairing and maintaining sound devices.

Pay It Forward Club - Electrical & Electronics Department **December 2018 – Present**
Member *Ho Chi Minh City*

- Researching and developing embedded systems.
- Training and sharing experiences to new members.

Electrical Club **Jan 2019 – Present**
Key Member *Di An, Binh Duong*

- Repairing electrical wires and devices in residential areas.
- Training and sharing experiences to new members.

Awards & Recognitions

Top 1 in Pay It Forward's Recruitment **Spring 2020**

- Testing technical skills: Making PCB, Programming, Soldering circuits.

Excellent Effort Award in LAUNCH TIME **Spring 2019**

- Designing, making, and programming a simple line follower robot.
- Reaching Top 1 in warm-up round.