# HUYNH NGOC THUONG

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# EDUCATION

* **HCMC University of Technology and Education (HCMUTE)**

Aug 2012 – Jul 2016

Electronics and Telecommunication Engineering

**LEVEL** : Engineering degree

# WORKING EXPERIENCE

**Jun 2016 – April 2018**

**Employee in IT department - SAIGONTECH College**

**Responsibility:**

* Teaching elective basics, Basic C,C++
* Building Android application with Android Studio
* Programming firmware for microcontrollers: ESP8266, CC2530, ATmega328, STM32....
* Supporting students in researching in IoTLab
* Robot projects : Srobot contest, agricultural projects, …

**Jun 2018 – Jun 2019**

**R&D department of fatory leaf spring – THACO**

**Responsibility:** Automatic control engineer

* Smart factory is chaired by the Ministry of Science And Technology
* Making a design plan for the control system: PLC, SCADA work with ADVANTECH
* Design remote control system for factory lights: Raspberry MQTT – App Android, IOS
* Designing a production monitoring system: Raspberry MQTT read barcode, show monitor screen, C# Database save and send production plan.
* Join in researching and manufacturing **Automation Guided Vehicle**

Join many skills classes organized by Thaco every week. Teamwork, people management, automation systems, MES, ERP, ...

**Jun 2019 – Now**

**R&D at DONG VIET Company**

**Responsibility**:

* Led circuit design use for bus
* Parking management software : C# winform
* Production management software : C# winform
* Emoji Play: ESP32 BLE, Led matrix show emoji icon, NRF51822/PTR5528 BLE, APP: Android, IOS control and design image
* Control on the bus: Qtcreater UI UX with Raspberry, MESH BLE

# KEY SKILLS

**Softskills**

* Good time management skills
* Good report writing skills
* Be serious and mature working attitude
* Ability to find information needed to solve the job: Search, research, debug

**Advanced skill**

* Programming languages: **C/C++, Java, Python, C#, Swift.**
* Programming tools: **Keil uVison, Android Studio, Visual Studio, Arduino IDE, STM32CubeIDE, Visual Code, Xcode...**
* Operating systems: **Windows, Linux, MacOS.**
* Microcontrollers: **AVR (arduino), ESP8266, ESP32, STM32F, NRF51822, PTR5228….**
* PCB design tools: **Altium, Proteus...**
* 3D design tools: **Catia, Autocad**
* Use basic GIT
* Understand communication standards: Uart, I2C, SPI, Modbus, LAN, MQTT, Http, Https, Socket, Tcp, Udp, Bluetooth, MESH,…

OFFICE SKILLs