



# Trieu Ngoc Phan

## *Software Developer*



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Da Nang

## About Me

I am a developer with electronic and telecommunication background. I am passionate in developing embedded systems, especially for smart devices and IoT. I love solving programming problems, collaborating and learning from excellent people

## Career Goals

- **Short-term goals:** Get an employment with a company that will provide me with advancement opportunities
- **Long-term goals:** Reach senior level and become a team leader in company, expand my technical skills and earn professional certificates

## On-going Courses

- Linux System Programming Techniques & Concepts (24%)
- Microsoft Azure Fundamentals (20%)
- The Complete Python Pro Bootcamp

## Language

English: Professional Working Proficiency

## Experience

### Software Developer

06/2021 – Present

#### *FPT Software – Da Nang*

- Making C++ projects base on **OOP** model and learned **Unit Socket** protocol for Embedded System Programming.
- Built Automotive Embedded System using **CAN bus protocol** with **Boost Asia** library for communicating between physical devices on car through **Linux Kernel**.
- Designed layout using **Java Script** and using **MVC model** for processing.
- Writing **automation test** for system using **VBA** language.
- Fixing memory leak issues

## Education

### B.S. in Electronic and Telecommunication

09/2017 – 06/2022

#### *Da Nang University of Science and Technology (DUT)*

**GPA:** 7.1, **Capstone:** Industrial Zone Environment Monitoring and Controlling System

**Coursework:** Computer Architecture, C/C++ Programming Languages, FPGA, Image Processing, Circuit Analysis

#### **Projects:**

- Swift Birds Monitoring System (Tech stack: MQTT, Node-red, Python, C/C++)
- Water Level Monitoring System (Tech stack: STM32F4, C/C++)
- Design ALU 8-bit (Tech stack: FPGA, VHDL)

## Skills

#### **Programming Languages**

- C++
- Java Script
- Python
- VBA

#### **Technical**

- MQTT, LoRa
- Network, Unit Socket
- Linux, Docker
- Git, SVN
- VS Code/Visual Studio
- Database systems

#### **Professional**

- Collaboration
- Communicating
- Problem solving
- Adaptability
- Self-learning

## Certificate

- Linux basic (Udemy)
- Linux device driver programmer (Udemy)
- Practical OpenGL and GLSL shaders fundamentals with C++ (Udemy)
- Fundamental of Java Script Programming (Udemy)

## Personal Training

- Solved 68 problems (including easy, medium and hard level) on LeetCode
- Solved over 60 problems on CodeSignal and continuing to solve