






# Trieu Ngoc Phan

## Software Developer

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## About Me

Được đào tạo với nền tảng điện tử viễn thông với chuyên ngành điện tử tạo nên sự thích thú và niềm đam mê trong việc xây dựng các hệ thống IoT hay các hệ thống Embedded nhằm tạo nên các hệ thống thông minh giúp cho hoạt động của con người.

## Career Objectives

Seeking a job opportunity for an entry level position as a software engineer for improving skills of building embedded system and IoT system.

## On-going Courses

Linux System Programming Techniques & Concepts (24%)  
Microsoft Azure Fundamentals (20%)  
The Complete Python Pro Bootcamp (15%)

## 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.
- Learned **Objective-C** programming for iOS Application programming.
- Created **GUI Application** to manage database using **Qt**.
- 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.
- Implement network inside car following **OSI (Open System Interconnection)**
- 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
- VS Code/Visual Studio
- Sqlite

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