Ngoc-Trieu Phan
Software Developer

✉ phantrieu580@gmail.com

☎ 0974 210 249

GitHub https://github.com/TrieuPhanNgoc

in https://www.linkedin.com/in/phan-trieu-5688b715b/

About Me

I am a dedicated software developer with a background in electronics and telecommunication engineering.

I am driven by my passion for exploring new knowledge and designing distributed, large-scale systems, particularly for cloud computing systems. I am a quick learner, proficient in Python, C++, and can work well under pressure to meet deadlines.

I am currently seeking an opportunity to pursue a higher degree in Korea and further develop my skills and expertise.

Career Objectives

Become an expert in the field of cloud and network systems, make significant contributions to the field through innovative research and development projects.

I am seeking a challenging and rewarding career in research and development, where I can apply my technical knowledge and problem-solving skills to develop cutting-edge technologies that address real-world problems.

On-going Courses

- Cloud Computing
- AWS Cloud (FreeCodeCamp.org)
- TOEIC Certificate

Language

English: Professional Working Proficiency

Experience

Software Developer   **06/2021 – Present**
FPT Software – Da Nang

Developed the monitoring and control system for electric cars and tractors, using unit socket network technologies to communicate between different electronic control units (ECUs) and processes. Designed and Implemented the asynchronous methods for communicating between physical devices by using **CAN bus protocol** with **Boost Asia** open source library in **Linux Kernel (C/C++)**.

- Constructing OSI Model (7 Layers) for network communication in embedded system
- Using IPC/ RPC protocols of network in process of communication between devices
- Socket programming and memory optimization
- Created UI using Projektor/Qt framework on Linux Kernel

Education

B.S in Electronics and Telecommunication   **09/2017- 06/2022**
Da Nang University of Science and Technology (DUT)

Capstone: Industrial Zone Environment Monitoring and Controlling System

Coursework: Information Network System, C/C++ Programming Languages, Probabilistic, Computer Architecture, Semiconductor Devices, Circuit Analysis

Projects:

- Swift Birds Monitoring System (Sensor, MQTT, Node-red, Python, C/C++)
- Water Level Monitoring System (STM32F4, C/C++, ultrasonic sensor)
- Design ALU 8-bit (FPGA, VHDL)
- Robot Controller (Arduino, C++)

Skills

Programming Languages	Technical	Professional
• Python	• Networking	• Research
• C++	• Linux	• Self-learning
• Go	• Docker	• Problem solving
• Bash shell	• VMWare	• Communication
• Java Script	• Algorithm	• Adaptability
	• VS Code / Git / Qt	• Presentation

Certificate

- Linux device driver programming (Udemy)
- Data Structure and Algorithm (Udemy)

Reference

- Nguyen Huu Tuan
  Project Manager, FPT Software
  Email: tuannh9@fsoft.com.vn
- Dr. Linh-An Phan
  Postdoctoral Researcher, University College Cork
  Email: lphan@ucc.ie