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 developeing 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.
- 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	Technical	Professional
• C++	• MQTT, LoRa	• Collaboration
• Java Script	• Network, Unit Socket	• Communicating
• Python	• Linux, Docker	• Problem solving
• VBA	• Git, SVN	• Adaptability
	• VS Code/Visual Studio	• Self-learning
	• Database systems	

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