**Phu Pham  
Software Engineer**71 Lê Thanh Nghị, Hải Châu, Đà Nẵng

phupham2410@gmail.com – 0986247482

Seeking position in software/firmware development or related areas that requires experiences and knowledge in various software/firmware technologies.

WORK EXPERIENCE  
**Software Engineer**Virtium Technology, 2012 - 2019  
Develop firmware/software for Solid-State Drive (SSD)

1. Developed firmware for SSD. The firmware has many modules: Host-Interface, Host-Manager, Table-Manager, NAND-Manager, NAND-Interface. I was responsible for implementing the Host-Manager module.   
2. Improving performance of Read/Write ATA commands (sequence and random read/write modes).  
3. Developed Storage Applications: SSD-Healthkit, SMART-Collector, Disk-Eraser. These applications run on multiple platforms (Windows, Linux, FreeBSD), in both CLI and GUI modes (using C++/Qt)  
4. Developed software for Virtium IoT Gateway device. This software module supports for controlling/monitoring the SSD drive from cloud.  
**Software Engineer**Harvey Nash Vietnam, 2011 - 2012

1. Developed software for SmallCell device. The deliverables include (1) NBAP handler to convert data from NBAP protocol to FAPI interface, and (2) PHY Control Plane module to process messages in control plane.

**Software Engineer**Renesas Design Vietnam, 2008 – 2011

1. Coverage test of MPEG-4 Video CODEC middleware on VPU5 IP.   
2. Developed Video-Tool to parse and show syntaxes of video stream in GUI mode (using C++/MFC).   
3. Developed Math and Image Processing libraries for new Renesas MX SIMD processor.

EDUCATION  
**Bachelor of Computer Science**Ho Chi Minh City University of Technology - 2003 - 2008

Final thesis: Porting the back-end of GNU C Compiler to C166 microcontroller.

Reference: Dr Nguyen Hua Phung, Faculty of Computer Science and Engineering, Ho Chi Minh City University of Technology.

TECH SKILLS

C, C++

GUI Programming with Qt, MFC

Data Structures, Algorithms, Debugging, Embedded System.