Pham Trong Truong

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OBJECTIVE Embedded Software Engineer.

EDUCATION

Phan Boi Chau Specialized High School, Nghe An - Viet Nam 09/2001 - 06/2004
- 2rd prize Vietnam National Physics Contest for high school - 2004
- Bronze medal 5th Asian Physics Olympiad - 2004

Hanoi University of Science and Technology 09/2004 - 06/2009
- Major: Automatic Control.
- GPA: 8.15/10.
- Graduation thesis: Design 48V DC - 220V AC, 500W Converter.
- 3rd prize research student of Electrical Engineering department.

CERTIFICATE

Fundamentals of Digital Image and Video Processing 05/2019
- Northwestern University on Coursera.

TECHNICAL SKILLS

Programming Language: C/C++.
Video Coding Format & Media File Format: MPEG2-Video/H.262, AVC/H.264, HEVC/H.265, MPEG2-TS.
OSS: FFmpeg, GStreamer, Linux Kernel, HEVC Model(HM), AVC Joint Model(JM).
OS & Tool: Windows, GNU/Linux, Emacs
Other: Microcontroller (8051, PIC, AVR), OpenMAX IL.

FOREIGN LANGUAGE

Vietnamese: Native
English: Intermediate
Japanese: ˜ N2

EMPLOYMENT HISTORY

Software Developer at VTI Co Limited
http://vti.com.vn 08/2018 - Present

Software Developer, Bridge SE at FPT Japan
https://www.fpt-software.jp/fpt-japan 07/2013 - 07/2018

Software Developer at FPT Software Ha Noi
https://www.fpt-software.com/hanoi 07/2009 - 07/2013

Part-time working at Binh Anh Electronics
http://binhanh.vn 11/2007 - 02/2009

EXPERIENCE

3D TOF sensor. 8/2018 - Present
Development framework and driver of 3D TOF sensor on Android.
- Responsibility: Investigate bug, Porting image filters C++ to C.

Linux Kernel BSP. 5/2018 - 7/2018
Investigate issue when upgrading Linux kernel 3.18.24 to 3.18.82 on SOC of customer.
- Responsibility: Design, Analysis USB module.

eT-Kenel BSP. 10/2017 - 04/2018
Porting (design, coding, testing) HD-DMAC, HS-SPI, I2S, ENC/DEC driver on eT-Kernel to new SOC of customer.
- Responsibility: BrSE (Communicate between offshore team and customer).

CAN-USB tool. 04/2017 - 10/2017
Develop tool which instead of ECUs in CAN network to test Automotive Head Unit.
- Responsibility: BrSE (Communicate between offshore team and customer).

4K Camera Recoder. 08/2015 - 04/2017
Develop core video encoder of security & professional camera, supports MPEG2-Video/H.262, AVC/H.264, HEVC/H.265.
- Responsibility: Video encoder (Coding, Testing, Bugfixing).

4K Digital Television. 07/2013 - 07/2015
Develop firmware of 4K digital television, supports MPEG2-TS, MP4 file format.
- Responsibility: Test program, Demuxer.

TIVI-Driver 02/2013 - 06/2013
Testing linux device driver (GPIO, Timer, SPI, I2C).
- Responsibility: Create test program.

G-BOOK 09/2012 - 02/2013
Develop telematics subscription service in car system.
- Responsibility: Develop feature display received message from call center.

Android4.0 (ICS) BSP BugFixing 04/2012 - 09/2012
Resolve problem of linux driver, media framework when upgrading from Android 2.3 to 4.0.
- Responsibility: Testing & bugfixing driver (SPI, I2C, GPIO) and media framework.

Audio Video Decoder 08/2009 - 04/2012
Develop firmware of digital television (Digital Video Broadcasting - Terrestrial).
Support trick play (slow, fast) with MP4, MKV, ASF, AVI file format.
Design firmware by API of OpenMax-IL and integrate to Stagefright (Android Media Framework).
- Responsibility: AVC/H.264 decoder, Video display.

Utility Management System (Binh Anh Electronics). 11/2007-02/2009
Using PIC16F877A, RF module, LED 7 Segment to develop some utility solution.
- Responsibility: Design, Implement firmware & PCB.

OTHER ACTIVITY
Blog (Vietnamese only): https://vcostudy.com
Side project: https://vcostudy.com/spj

HOBBY
History, Physics.