

Pham Trong Truong

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OBJECTIVE	Embedded Software Engineer.	
EDUCATION	<i>Phan Boi Chau Specialized High School, Nghe An - Viet Nam</i>	09/2001 - 06/2004
	<ul style="list-style-type: none">• 2nd prize Vietnam National Physisc for high school - 2004• Bronze medal 5th Asian Physics Olympiad -2004	
	<i>Hanoi University of Science and Technology</i>	09/2004 - 06/2009
	<ul style="list-style-type: none">• Major: Automatic Control.• GPA: 8.15/10.• Graduation thesis: Design 48V DC - 220V AC, 500W Converter.• 3rd prize for research student of Electrical Engineering department.	
CERTIFICATE	<i>Fundamentals of Digital Image and Video Processing</i>	05/2019
	<ul style="list-style-type: none">• Northwestern University on Coursera.	
TECHNICAL SKILLS	<i>Programming Language: C/C++.</i> <i>Video Coding Format & Media File Format: MPEG2-Video/H.262, AVC/H.264, HEVC/H.265, MPEG2-TS.</i> <i>OSS: FFmpeg, GStreamer, Linux Kernel, HEVC Model(HM), AVC Joint Model(JM).</i> <i>OS & Tool: Windows, GNU/Linux, Emacs</i> <i>Other: Microcontroller (8051, PIC, AVR), OpenMAX IL.</i>	
FOREIGN LANGUAGE	<i>Vietnamese: Native</i>	
	<i>English: Intermediate</i> <i>Japanese: ~ N2</i>	
EMPLOYMENT HISTORY	<i>Software Developer at VTI Co Limited</i> <i>http://vti.com.vn</i>	08/2018 - Present
	<i>Software Developer, Bridge SE at FPT Japan</i> <i>https://www.fpt-software.jp/fpt-japan</i>	07/2013 - 07/2018
	<i>Software Developer at FPT Software Ha Noi</i> <i>https://www.fpt-software.com/hanoi</i>	07/2009 - 07/2013
	<i>Part-time working at Binh Anh Electronics</i> <i>http://binhanh.vn</i>	11/2007 - 02/2009
EXPERIENCE	<i>3D TOF sensor.</i> Development framework and driver of 3D TOF sensor on Android. - Responsibility: Investigate bug, Porting image filters C++ to C.	8/2018 - Present

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-Kernel 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.