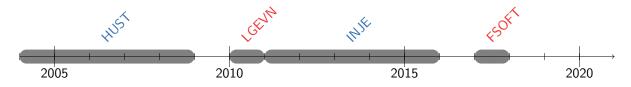
# Hoang-Linh TO | CV

CV

3Q8, Nguyen An Ninh - Hoang Mai, Ha Noi - Viet Nam

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# "TEAM-Together Everyone Achieves More"



#### **Education**

**Dept of Information and Communication System** 

Inje University

Doctor of Engineering, Grade-4.46/4.5

Master of Engineering, Grade-4.25/4.5

Bachelor of Engineering, Grade-7.97/10

2013-2016

Major: Network

**Dept of Information and Communication System** 

Inje University

2011-2013

Major: Network

**Dept of Industrial Automation** 

Hanoi University of Science and Technology

2004-2009

Major: Control and Automation

# **Experience**

# FPT Global Automotive [S16, NXP ODC]

**FPT Software** 

Middleware Developer

3/2017-present

Automotive communication stacks for NXP micro-controllers (ARM, PowerPC).

Detailed tasks and achievements:

- o Developed TCP/IP stack using IwIP (lightweight TCP/IP) protocol suite [EAR, 4–12/2017].
- Tested SNEP protocol in NFC (Near-Field Communication) stack [RTM, 5–7/2017].

# Dept of Research and Development [Home Entertainment] Circuit Engineer

**LG Electronics Vietnam** 

2010-2011

New model line up: CRT TV, Plasma TV and LCD/LED Monitor.

Detailed tasks:

- Developed and reviewed new electronic local parts and reduced total product price;
- Co-worked with outsource partners in PCB Jig equipment's installation;
- Supported production line for problems related to software and defect circuit parts;
- o Supported customers for better user-experience in using LG products.

#### Internship.....

# **Electrical Workshop**

Hoang Mai Vicem Factory

Automation Engineer

1-2/2009

Studied and reported about cement production line operation.

Training Courses.

FPT Software

**Corporate Training Center** *Fresher Embedded Developer* 

1–3/2017

Basic C and Embedded Programming for ARM Cortex M.

Language LinkPetronasBusiness English8-10/2008

Business English: Intermediate Level.

#### **Publications**

Theses

- [1] H.-L. To, "Control frameworks for queue management in bufferbloated networks," Ph.D. dissertation, Inje University, South Korea, 2016. [Online]. Available: http://www.dcollection.net/handler/inje/000000011422
- [2] ——, "Burst traffic management schemes for quality of service in optical burst switching network," Master's thesis, Inje University, South Korea, 2013. [Online]. Available: http://www.dcollection.net/handler/inje/000000008236
- [3] —, "Design a 400-hz 3-phase sinusoidal ac power unit," Bachelor's thesis, Hanoi University of Science and Technology, Viet Nam, 2009.

SCIE Journal Articles.

- [1] K.-H. Kim, H.-L. To, W.-J. Hwang, and J.-T. Lee, "Infinite queue management via cascade control for industrial routers in smart grid ip networks," *Scientific Programming*, vol. 2016, no. SP towards a Smart World, pp. 1–10, 2016.
- [2] A. Radwan, H.-L. To, and W.-J. Hwang, "Optimal control for bufferbloat queue management using indirect method with parametric optimization," *Scientific Programming*, vol. 2016, no. Optimization Models and Algorithms, pp. 1–10, 2016.
- [3] Q.-V. Pham, H.-L. To, and W.-J. Hwang, "A multi-timescale cross-layer approach for wireless ad hoc networks," *Computer Networks*, vol. 91, pp. 471–482, 2015.
- [4] H.-L. To, T. M. Thi, and W.-J. Hwang, "Cascade probability control to mitigate bufferbloat under multiple real-world tcp stacks," *Mathematical Problems in Engineering*, vol. 2015, no. Control Problem of Nonlinear Systems, pp. 1–13, 2015.
- [5] H.-L. To, S.-H. Lee, and W.-J. Hwang, "A burst loss probability model with impatient customer feature for optical burst switching networks," *International Journal of Communication Systems*, vol. 28, no. 11, pp. 1729–1740, 2015.

#### **Features**

Mini-projects....

**2017.10**: Information Management System. [C#]

2017.08: C Define Parser from File. [Java]

**2017.03**: KL46Z Boot-loader. [C]

2017.02: FAT12 Information Extraction. [C]

#### Awarus.....

**2017.09**: "C++ Tutorial" online course certificate, SoloLearn.

2017.08: "Best Performance Team" award, Automotive NFC Team – FPT Software.

2017.08: "Fast and Furious" award - FPT Software.

2017.03: "Fresher Embedded Developer" course certificate, FPT Software

2014.10: "Best Student Paper" award – 3<sup>rd</sup> JKCCS'14, Busan, Korea.

2011–2013: "Global IT Talent" scholarship for a Master course – Inje University, Korea.

2008.11: "Business English & Application Skills" course certificate, Language Link Vietnam.

### **Professional Skills**

Languages: C, Python, Java.

Tools: Git, Vim.

MCU Families: ARM Cortex-M, dsPIC.

Typesetting: LATEX, Office.

# Languages

English: TOEIC: 870 Will be expired on: 20-12-2017

**Korean**: Basic Daily conversational

#### **Interests**

Playing chessChallenging IQ Games

TravellingSinging Karaoke

#### References

# Dat BUI 🖁

**I** Team Leader

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SDK/Autostack Group

**FPT Software** 

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Ku-Hwan KIM

Client

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