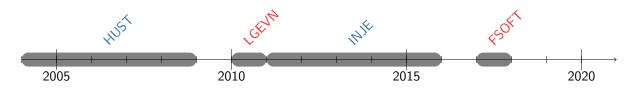
Hoang-Linh TO | CV

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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 Major: Network

2013-2016

Dept of Information and Communication System

Inje University

Master of Engineering, Grade-4.25/4.5

2011-2013

Major: Network

Dept of Industrial Automation

Hanoi University of Science and Technology

2004-2009

Bachelor of Engineering, Grade-7.97/10

Major: Control and Automation

Experience

FPT Global Automotive [S16, NXP ODC]

FPT Software

Middleware Developer

3/2017-present

Automotive communication stack: TCP/IP, NFC, etc.

Detailed tasks and achievements:

- o Developed TCP/IP stack using IwIP (lightweight TCP/IP) protocol suite [EAR, 4–12/2017].
- o 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

In charge of new products line up including CRT TV, Plasma TV and LCD/LED Monitor. Detailed tasks:

- Developed 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 Link

Petronas

Business English

8–10/2008

Business English: Intermediate Level.

Featured 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]

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.

Awards/Scholarships

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

2017.08: "Best Performance Team" award, 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 – 3rd Japan-Korea Joint Workshop on Complex Communication Sciences (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.

Languages

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

Korean: Basic Daily conversational

Professional Skills

Languages: C, Python, Java.

Tools: Git, Vim.

MCU Families: ARM Cortex-M, dsPIC.

Typesetting: LATEX, Office.

Communication Skills

2011–2015: Gave several oral presentations at Korea Multimedia Society (KMMS) conferences.

Interests

Playing chess

Challenging IQ Games

Travelling

Singing Karaoke

References

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SDK/Autostack Group

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