

Nguyen Loc HUYNH

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Singapore

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| EDUCATION | |
|--|--------------------------|
| Singapore Management University PhD in Information Systems, December 2014 | 12/2014 - now |
| Hochiminh City University of Technology Master in Computer Science, April 2014 | 09/2011 - 04/2014 |
| Hochiminh City University of Technology Bachelor in Computer Engineering, April 2011 | 09/2006 - 04/2011 |

| RESEARCH INTERESTS |
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| <ul style="list-style-type: none">- Mobile computing- Deep learning applications- Approximation algorithms- Parallel programming |

| RESEARCH EXPERIENCE |
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| PhD in Information Systems – Singapore Management University <ul style="list-style-type: none">- Building cloud-free deep learning framework for mobile devices- Enhancing continuous vision sensing applications on mobile devices using deep neural network- Focusing on approximation techniques to reduce computational costs of deep neural network models- Focusing on parallel optimization technique to reduce processing time of deep neural network on heterogenous computing platform (with CPU, GPU, DSP, etc.). |
| Master's Thesis – Hochiminh City University of Technology, 2013-2014 <ul style="list-style-type: none">- Building network-aware scheduling algorithms for high performance computing applications in cloud environments. |

TEACHING EXPERIENCE

Teaching assistant – Undergraduate Operating System **2014**

Department of System and Networking
Faculty of Computer Science and Engineering
HCMC University of Technology

Teaching assistant – Undergraduate Parallel & Distributed System **2014**

Department of System and Networking
Faculty of Computer Science and Engineering
HCMC University of Technology

Teaching assistant – Undergraduate Mobile and Pervasive Technology **2016**

School of Information Systems
Singapore Management University

PUBLICATIONS

Huynh, Loc N., Rajesh Krishna Balan, and Youngki Lee. "DeepMon: Building Mobile GPU Deep Learning Models for Continuous Vision Applications." *Proceedings of the 15th Annual International Conference on Mobile Systems, Applications, and Services*. ACM, 2017.

Huynh, Loc Nguyen, Rajesh Krishna Balan, and Youngki Lee. "Deepsense: A gpu-based deep convolutional neural network framework on commodity mobile devices." *Proceedings of the 2016 Workshop on Wearable Systems and Applications*. ACM, 2016.

Loc Huynh and Thøai Nam, Bandwidth-aware virtual machines allocation for high performance communication-intensive applications, *Ubiquitous and Future Networks (ICUFN), 2013 Fifth International Conference on Ubiquitous and Future Networks*, 13840467, 822 - 826, 2013

Loc Huynh and Minh Tran, HPCCloudSim: MODELING AND SIMULATION OF RESOURCE FAILURES IN HIGH PERFORMANCE COMPUTING CLOUDS, *the first youth conference – National University*, 2012

HOBBIES & INTERESTS

- Interested in new challenges
- Like playing games and hang out with my friends