Luong X. Thanh

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PERSONAL DATA

Name	Luong Xuan Thanh
Date of birth	October 21st, 1987
Address	Cau Doi, Dai Mo, Tu Liem, Hanoi
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EDUCATION

M.E.   **Korea Advanced Institute of Science and Technology (KAIST)**   September, 2012 – August, 2014
     School of Electrical Engineering   Daejeon, Korea
     Advisor: Prof. Soo-Young Lee
     GPA 3.98/4.3

B.E.   **South Russian State Technical University (SRSTU)**   September, 2007 – August, 2012
     Faculty of Automation and Control   Novocherkassk, Russia
     Advisor: Prof. Sedov Andrey Vladimirovich
     GPA 4.9/5   Ranking 1/57

     Hanoi University of Science and Technology (HUST)   September, 2005 – August, 2006
     Center for Training of Excellent Students   Hanoi, Vietnam
     GPA 8.29/10
     First-year student, dropped out to attend SRSTU

     University of Sciences, Vietnam National University, Hanoi   September, 2002 – August, 2005
     The Gifted High School of Physics, College of Science   Hanoi, Vietnam
     Pupil of Physics class

EXPERIENCE

Technical Consultant   2015 – 2015
     at **Tinhvan Solutions – Tinhvan Group**   Hanoi, Vietnam

     I experienced working closely with the Technical Team, Sales Team and 3rd party Partners to make sure our Software products were properly deployed.

Research Assistant   2012 – 2014
     at **Computational NeuroSystems Laboratory, KAIST**   Daejeon, Korea

     My research focused mainly on Machine Learning and Signal Processing. I was involved in numerous projects related to Speech recognition, Feature Extraction for image processing, Blind Source Separation, etc.

Undergraduate Researcher   2010 – 2012
     at **Department of Automation and Remote Control, SRSTU**   Novocherkassk, Russia

     I worked on effective calculation methods applied to electrical circuits.

BACKGROUNDS

Research interests:
- Machine/Deep Learning, Neural Networks, Feature Extraction
- Image/Speech Processing
- Statistical Learning Theory

Technical skills:
- MATLAB (good)
- C/C++ (Intermediate)
- Python
- JavaScript

Language:
- Vietnamese (native proficiency)
- English (professional working proficiency)
- Russian (professional working proficiency)
- Korean (elementary proficiency)

HONOR

The Korean Government Scholarship Program (KGSP) by NIIED, Korea	2012
All-Russian Competition of Scientific Works of Foreign Students Nomination by Tomsk Polytechnic University (TPU)	2011
Scientific Conference Award by Moscow Institute of Physics and Technology (MIPT)	2010
All-Russian Physics Olympiad for students Certificates by Bauman Moscow State Technical University (BMSTU)	2008, 2009, 2010
9th National Physics Olympiad for students Award by Vietnam Physics Association	2005
Awards VALLET Scholarship by Vietnamese Meeting Organization	2005
Certificate of National Excellent Pupils 12th Grade by Vietnam Ministry of Education and Training	2005
Certificate "Typical Young Face of Vietnam National University" by Director of Vietnam National University	2004

PUBLICATIONS

Journal Paper:

Hyun Ah Song, Bo-kyeong Kim, **Thanh Luong Xuan**, Soo-Young Lee, "Hierarchical Feature Extraction by Multi-layer Non-negative Matrix Factorization Network for Classification Task", NeuroComputing, Vol.165, pp. 63-74, 2015.10.

Conference Paper:

Thanh Xuan Luong, Bo-kyeong Kim, Soo-Young Lee, "Color Image Processing Based on Nonnegative Matrix Factorization with Convolutional Neural Network", 2014 International Joint Conference on Neural Networks (IJCNN2014), Beijing , China, July 6-11, 2014.

REFEREES

Available upon request