

# Thanh T. NGUYEN

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Ulsan National Institute of Science and Technology (UNIST)  
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## EDUCATION

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- **Ulsan National Institute of Science and Technology (UNIST)**, South Korea Mar. 2018  
M.S. in Computer Science & Engineering (GPA: 4.3 / 4.0)  
Thesis: *Parametric Information Bottleneck to Optimize Stochastic Neural Networks*  
Supervisor: Jaesik Choi
- **Danang University of Science and Technology (DUST)**, Vietnam Jul. 2015  
B.S. in Electronic and Communication Engineering (valedictorian)

## RESEARCH INTERESTS

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Deep Learning, Natural Language Processing, and Probabilistic Inference.

## EXPERIENCE

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- **Researcher** Mar. 2018 - present  
Ulsan National Institute of Science and Technology (South Korea), School of Computer Science & Engineering, Statistical Artificial Intelligent Lab (SAIL).
- **Research Assistant** Mar. 2016 - Mar. 2018  
Ulsan National Institute of Science and Technology (South Korea), School of Computer Science & Engineering, Statistical Artificial Intelligent Lab (SAIL).
- **Teaching Assistant** Aug. 2015 - Mar. 2016  
Danang University of Science and Technology (Vietnam), Center of Excellence, Electronic and Communication Engineering.
- **Mobile Network Intern & Engineer** Jan. 2015 - Aug. 2015  
Viettel Network Corporation (Vietnam).
- **Teaching Assistant & Research Assistant** Oct. 2014 - Jan. 2015  
Danang University of Science and Technology (Vietnam), Center of Excellence, Electronic and Communication Engineering.

## PUBLICATIONS

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- (*Master Thesis*) *Parametric Information Bottleneck to Optimize Stochastic Neural Networks*. In ScholarWorks@UNIST, 2018.
- (Under Review) **T. T. Nguyen**, and J. Choi, *Layer-wise Learning of Stochastic Neural Networks with Information Bottleneck*, 2017, arXiv 1712.01272.

## SELECTED AWARDS

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- Valedictorian and the sole First-Class Graduate in the Electronic and Communication Engineering Program at the Center of Excellence, 2015;
- JENESYS 2.0 Exchange student by Japan International Cooperation Center 2015;
- Sunflower Mission Engineering & Technology Scholarship by eSilicon and Texas Instrument, 2014;
- First Prize in the Competition of Solving Mathematical Problems by the Journal of Mathematics and Youth, 2010;
- Silver Medal in Southern Vietnam Mathematics Olympiad, 2008.

## SKILLS

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Programming languages : Python, C++, C, Java.  
Deep Learning frameworks : Theano, Tensorflow, Caffe.  
Parallel Computing frameworks : OpenMP, MPI, CUDA, pthreads.

## REFERENCES

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- Assoc. Prof. Jaesik Choi  
Ulsan National Institute of Science and Technology  
School of Computer Science & Engineering  
Statistical Artificial Intelligent Lab (SAIL)  
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