Thanh T. NGUYEN

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Ulsan National Institute of Science and Technology (UNIST)
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Education

- **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*
  Advisor: Jaesik Choi
- **Da Nang University of Science and Technology (DUST)**, Vietnam — Jul. 2015
  B.S. in Electronic and Communication Engineering (valedictorian)
- **Da Nang Le Quy Don high school for gifted students**, Vietnam — Sept. 2010
  High School Diploma in Mathematics

Research Interests

Deep Learning, Bayesian Statistics, Probabilistic Modeling, Computer Vision, Natural Language Processing, and Reinforcement Learning.

Experience

- **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
  Da Nang 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
  Da Nang University of Science and Technology (Vietnam), Center of Excellence, Electronic and Communication Engineering.

Publications

- (*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

- Ulsan National Institute of Science and Technology Postgraduate Scholarship, 2016;
- Valedictorian and the sole First-Class Graduate in the Electronic and Communication Engineering Program at the Center of Excellence (an advanced engineering program), Da Nang University of Science and Technology, 2015;
- Scholarships for Outstanding Academic Excellence from Da Nang University of Science and Technology in 2010 2015;
- JENESYS 2.0 Exchange student by Japan International Cooperation Center 2015;
- Sunflower Mission Engineering & Technology Scholarship by eSilicon and Texas Instrument, 2014;
- Third and Second Prize in Mathematics Competition of Da Nang University in 2012 and 2013 resp.;
- Takemoto Denki scholarship in 2012; Lawrence S.Ting scholarship per academic year from 2013 to 2015; Nguyen Thai-Binh Scholarship in 2013; Thanh-Nhan Scholarship in 2013;
- First Prize in the National Competition of Solving Mathematical Problems by the Journal of Mathematics and Youth, 2010;
- Silver Medal in Southern Vietnam Mathematics Olympiad, 2008;
- First Prizes in Da Nang Mathematics Competition for high school students in 2008, 2009, and 2010.

Skills

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

Languages

Vietnamese	: Native
English	: Proficient (TOEFL iBT score of 96)

References

- Assoc. Prof. Jaesik Choi
  Ulsan National Institute of Science and Technology
  School of Computer Science & Engineering
  Statistical Artificial Intelligent Lab (SAIL)
  jaesik@unist.ac.kr
- Assoc. Prof. Tuan V. PHAM
  Da Nang University of Science and Technology
  Center of Excellence
  pvtuan@dut.udn.vn
- Major Tra-My V. NGUYEN
  Department of Mobile Network
  Technical Center II - Viettel Networks Corporation
  tramynv@viettel.com.vn

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