

# Thanh T. NGUYEN

(082) 010-2883-2792

thanht@unist.ac.kr

[www.thanhnguyentang.github.io](http://www.thanhnguyentang.github.io)

Ulsan National Institute of Science and Technology (UNIST)

School of Computer Science & Engineering

50 UNIST, Ulsan, Korea 44919

## EDUCATION

---

- **Ulsan National Institute of Science and Technology (UNIST)**, South Korea Feb. 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

(Updated: October 1, 2018)