# Thanh-Tung Nguyen (Thomas)

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## EDUCATION

**Nanyang Technological University**                                                                 **Singapore**
*Doctor of Philosophy in Computer Science & Artificial Intelligence.*                *Expected Graduation: July 2021*

**Nanyang Technological University**                                                                 **Singapore**
*Bachelor in Mathematics & Economics.*                                                        *Graduation: July 2015*

- Undergraduate Research Experience on CAmpus (**URECA**) Project: published a paper "Notes on minimal realizations of multidimensional systems".
- **Final Year Project**: The behavior of real exchange rates.

## EXPERIENCE

**A*STAR - Agency for Science, Technology and Research**                           **Singapore**
*Machine Learning Research Scholar*                                                            *Aug 2017 – Now*

- Research on different limitations and improvements on Natural Language Understanding, such as enhancing ability to capture the context of language with more comprehensive inductive bias and capturing the syntactic structures of languages with more efficient parsers. Write papers submitted to various machine learning and NLP conferences, e.g: ICLR, ACL, EMNLP, NAACL.

**Nanyang Technological University**                                                                 **Singapore**
*Teaching Assistant*                                                                                    *Jul 2015 – Now*

- Courses Taught: Probability & Introduction to Statistics, Statistics, Algorithms & Computing, Calculus, Linear Algebra, Deep Learning for Natural Language Processing: From Theory to Practice, Artificial Intelligence.

**Zalora**                                                                                                         **Singapore**
*Regional Onsite Assistant*                                                                          *Mar 2014 – Aug 2014*

- Assisted in reporting and analysis of onsite customer behavior. Designed and built new dashboards, reports while optimize existing ones in terms of format and contents

## RESEARCH PAPERS

- **Thanh-Tung Nguyen**\*, Xuan-Phi Nguyen\*, Shafiq Joty & Xiaoli Li. *Differentiable Window for Dynamic Local Attention.* In **Proceedings of the Association for Computational Linguistics 2020**.
- **Thanh-Tung Nguyen**, Xuan-Phi Nguyen, Shafiq Joty & Xiaoli Li. *Efficient Constituency Parsing by Pointing.* In **Proceedings of the Association for Computational Linguistics 2020**.
- Xuan-Phi Nguyen, Shafiq Joty, **Thanh-Tung Nguyen**, Wu Kui & Aw Ai Ti. *Cross-model Back-translated Distillation for Unsupervised Machine Translation.* In **CORR 2020**.
- Hongyun Cai, **Thanh-Tung Nguyen**, Yan Li, Vincent W Zheng, Binbin Chen, Gao Cong, Xiaoli Li. Modeling marked temporal point process using multi-relation structure RNN. In **Cognitive Computation 2020**
- **Thanh-Tung Nguyen**\* & Tasnim Mohiuddin & Shafiq Joty\*.*Adaptation of hierarchical structured models for speech act recognition in asynchronous conversation .* In Proceedings of **NAACL-HLT 2019**
- Xuan-Phi Nguyen & Shafiq Joty & **Thanh-Tung Nguyen**. *Enhancing Attention with Explicit Phrasal Alignments.* In **CORR 2019**
- Minh-Luan Doan, **Thanh-Tung Nguyen**, Zhiping Lin & Li Xu. *Notes on minimal realizations of multidimensional systems.* In **Multidimensional Systems and Signal Processing 2015**.

## PROFESSIONAL SERVICES

**Program Comittee (PC) / Invited Reviewer:**

- Conference: AAAI'21, ACL'21, NAACL'21, EMNLP'20, ACL'20, AAAI'20

## HONORS & AWARDS

**A*STAR Computing and Information Science Scholarship (ACIS)**              *Jul 2017 – Jul 2021*

- Fully funded by A*STAR to pursue the doctorate program in NTU, Singapore.

## TECHNICAL SKILLS

- Deep learning, Machine learning, AI research
- Pytorch, Tensorflow, LATEX
- Python, Java, Javascript
- Familiar with Linux & UNIX-like system