

# Duy Tin Vo, Ph.D.



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Google Scholar	Gender: Male
Email: duytinvo@gmail.com	Nationality: Vietnamese
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**Research**      Sentiment Analysis, Text Classification, Sequence Labeling  
Multilingual: E-community Toxicity, Language Identification  
Machine Learning, Neural Network, Deep Learning  
Natural Language Processing, Artificial Intelligence

**Education**      **Ph.D., Computer Science - Language Technologies**  
Singapore University of Technology and Design, Singapore, 09/2013-09/2017  
Thesis title: Sentiment Analysis for Short Texts Based on Neural Networks  
Advisor: Yue Zhang  
GPA: 4.11/5.0 (Research Merit Award Winner)  
**B.Eng., Electronics and Telecommunication**  
Cantho University, Vietnam, 2007-2011  
GPA: 3.65/4.0 (First-class honor)

**Experience**      **Data Scientist**  
at Chata.ai, Canada, 07/2018 - *now*  
Join in the R&D team to develop an aspect-based sentiment analysis system and deploy into production.  
**Postdoctoral Fellow (MITACS program)**  
at Université Laval, Canada, 12/2017 - 06/2018  
Manage a research team in the project of E-Community Health and Toxicity  
**Research Intern (MITACS program)**  
at Twohat Security, Canada, 04/2018 - 06/2018  
Build several neural network modules in language and subversive detection.  
**Research Intern**  
at University of Ottawa, Canada, 01/2017-06/2017  
Build a very deep neural network for text classification under the supervision of Prof. Diana Inkpen and Dr. Xiaodan Zhu  
**Teaching Assistant**  
at Singapore University of Technology and Design, Singapore, 09/2014-09/2016  
Assist in teaching two courses: computational structures and database  
**Lecturer**  
at Cantho University, Vietnam, 06/2011-09/2013  
Work as a lecturer to teach fundamental courses: programming languages, engineering mathematics, digital signal processing, etc.

**Skill** Python, NLP packages (sklearn, gensim, NLTK, CoreNLP, ...)  
 Deep Learning libraries (keras, theano, tensorflow, pytorch)  
 Cloud Computing services (AWS: S3, SageMaker, EC2, AMI; Valohai)  
 Docker, Github, Basecamp, L<sup>A</sup>T<sub>E</sub>X, Markdown  
 Cython, C++, Matlab, SQL, Java  
 Linux, Windows, macOS

**Certificate** **Cadence - HEEAP Training**  
 at HCMC University of Technology and Education, Vietnam, 2011  
 The Higher Engineering Education Alliance Program, Arizona State University  
**Teaching Methodology**  
 at Can Tho University, Vietnam, 2011

**Language** Vietnamese (native), English (fluent)

**Publication**

1. **Duy Tin Vo**, Yue Zhang and Xiaodan Zhu. Shallow Network with Rich Features for Text Classification. In CICLing 2018, Hanoi, Vietnam.
2. Zhiyang Teng, **Duy Tin Vo** and Yue Zhang. Context - Sensitive Lexicon Features for Neural Sentiment Analysis. In Proceedings of EMNLP 2016, Texas, USA, November.
3. **Duy Tin Vo** and Yue Zhang. Don't Count, Predict! An Automatic Approach to Learning Sentiment Lexicons for Short Text. In Proceedings of ACL 2016, Berlin, Germany, August.
4. Meishan Zhang, Yue Zhang and **Duy Tin Vo**. Gated Neural Networks for Targeted Sentiment Analysis. In Proceedings of AAAI 2016, Phoenix, Arizona, USA, February.
5. Meishan Zhang, Yue Zhang and **Duy Tin Vo**. Neural Networks for Open Domain Targeted Sentiment. In proceedings of EMNLP 2015, Lisboa, Portugal, September.
6. **Duy Tin Vo** and Yue Zhang. Target-dependent Twitter Sentiment Classification with Rich Automatic Features. In Proceedings of IJCAI 2015, Buenos Aires, Argentina, July.

**Talk**

- **Duy Tin Vo**. Neural Network Methods for Targeted Sentiment Extraction. An invited talk to Deep Learning Summit Asia 2016, Singapore, October.
- Yue Zhang and **Duy Tin Vo**. Neural Networks for Sentiment Analysis. Tutorial at EMNLP 2016, Texas, USA, November.

**Service**

- PC member: Conference on Natural Language Processing & Chinese Computing (2016); Joint Conference on Chinese Language Processing (2016); International Conference on Computational Linguistics (2018).
- Sub-Reviewer: Association for the Advancement of Artificial Intelligence Conference (2017); European Chapter of the Association for Computational Linguistics (2017); Conference of the

International Speech Communication Association (2017); Conference on Neural Information Processing Systems (2017); Annual Meeting of the Association for Computational Linguistics (2018).

## Achievement

- City Honours in mathematics (2007).
- Regional Honours in solving mathematics by calculator (2007).
- Top 5 of the entrance examination of Cantho University (2007).
- Certificate of Ho Chi Minh Communist Youth Union for good achievements (2009).
- Certificate of Can Tho University for excellent students (2010).
- Certificate of College of Engineering Technology for the high distinction degree (2011).
- 1st Class Honours of Can Tho University (2011).

## Award

- **Boeing Scholarship** (2007)  
for excellent engineering students.
- **Sunflower Mission Engineering & Technology Scholarship** (2008, 2009, 2010, 2011)  
for academic achievement, leadership excellence and community service.
- **Talent Holcim Scholarship** (2009)  
for excellent engineering students.
- **Korean & Vietnamese Foundation Scholarship** (2009, 2010)  
for excellent engineering students.
- **Biti's Scholarship** (2009, 2010)  
for the poor students with good academic results.
- **LienViet Bank's Scholarship** (2011)  
for excellent students.
- **Huawei & Ministry of Information and Communications Scholarship** (2011)  
for outstanding achievements.
- **SUTD President's Graduate Fellowship** (2013).
- **Merit Award Winner** (2017)  
for graduate research presentation at SUTD FIRST industry workshop.

## Reference

- **Yue Zhang**, Westlake University, China  
Associate Professor in NLP  
yue.zhang@wias.org.cn
- **Xiaodan Zhu**, Queen's University, Canada  
Assistant Professor in NLP  
Xiaodan.Zhu@Queensu.ca

- **Richard Khoury**, Université Laval, Canada  
Associate Professor in NLP  
richard.khoury@ift.ulaval.ca
- **Luong Vinh Quoc Danh**, Cantho University  
Senior Lecturer, Head of the Department of Electronics and Telecommunication Engineering  
lvqdanh@ctu.edu.vn

Last updated: January 17, 2019