Kien Do

Postdoctoral Research Fellow
Applied Artificial Intelligence Institute (A2I2), Deakin University
75 Pigdons Road, Waurn Ponds, VIC 3216, Australia
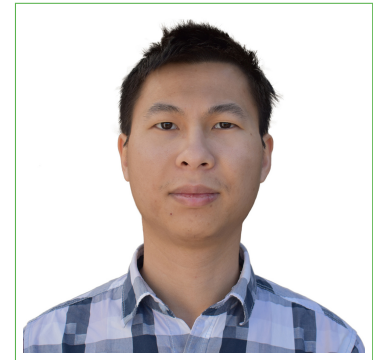*Phone (AU): (+61) 0449250124*
Phone (VN): (+84) 0969406892
Email: hunken92@gmail.com
Work Email: k.do@deakin.edu.au
*Google Scholar (**more than 150 citations**):*
https://scholar.google.com/citations?user=aD6y8joAAAAJ

Education

04/2016 – 02/2020	**Doctor of Philosophy**, Applied Artificial Intelligence Institute (A2I2), Deakin University, Geelong, VIC, Australia Thesis: *Novel Deep Architectures for Representation Learning*
09/2010 – 06/2014	**Bachelor of Computer Science**, University of Engineering and Technology (UET), Vietnam National University (VNU), Hanoi, Vietnam GPA: 3.76/4 (High Distinction), Rank among top 5 out of 500 graduate students Thesis: *A New Approach to Question Detection in Online Forum*
09/2007 – 06/2010	**Specialized Math Student**, Hanoi-Amsterdam High School

Employment

01/2020 – Present	**Postdoctoral Research Fellow**, A2I2, Deakin University, Australia ○ Publishing papers in top-tier AI conferences. ○ Working on two AI projects. ○ Collaborating with other researchers inside and outside A2I2. ○ Co-supervising PhD students.
03/2018 – 05/2018	**Teaching Assistant**, Deakin University, Australia Courses: *Data Science Concepts (SIT112)* Responsibilities: *help students in doing lab exercises, answer questions related to the course, mark quizzes and assignments.*
09/2014 – 03/2016	**Assistant Lecturer**, University of Engineering and Technology (UET), Vietnam National University (VNU), Vietnam Courses: *Fundamental Informatics 1, Data Structures and Algorithms, Computer Networking* Responsibilities: *develop lab material, help students in doing lab exercises, answer questions related to the courses, mark quizzes and assignments.*

Scholarships and Awards

2018, 2019	**Publication Incentive Award (2 times)** by Deakin University, Australia for 2 journal papers *Energy-Based Anomaly Detection for Mixed Data* and *Attentional Multilabel Learning over Graphs: A Message Passing Approach*
2016	**Runner-up Best Student Paper Award** for the paper *Outlier Detection on Mixed-Type Data: An Energy-based Approach*

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02/2016	**Scholarship for Doctor of Philosophy** by Deakin University, Australia
01/2016	**Scholarship for Master of Computer Science** by Saarland University, Germany
11/2015	**Scholarship for Doctor of Philosophy** by Nanyang Technological University (NTU), Singapore
2010 – 2014	**Scholarship for Academic Excellence (4 times)** by University of Engineering and Technology (UET), Vietnam National University (VNU)
2014	**Outstanding Student Award** by University of Engineering and Technology (UET), Vietnam National University (VNU)
2014	**Second prize in the Scientific Research Competition** by University of Engineering and Technology (UET), Vietnam National University (VNU)
2013	**Student Exchange Scholarship** by Japan Student Services Organization (JASSO) *I worked as a research intern at Japan Advanced Institute of Science and Technology (JAIST) for 2 months under this scholarship.*
2013	**Honourable mention of participation in the Imagine Cup Competition** by Microsoft Vietnam

Publications

2021	*Memory-augmented neural networks for predictive process analytics*, Asjad Khan, Hung Le, **Kien Do**, Truyen Tran, Aditya Ghose, Hoa Dam, Renuka Sindhgatta, *ICSOC 2021*
2021	*Clustering by Maximizing Mutual Information Across Views*, **Kien Do**, Truyen Tran, Svetha Venkatesh, *ICCV 2021* (**CORE A***)
2021	*Semi-Supervised Learning with Variational Bayesian Inference and Maximum Uncertainty Regularization*, **Kien Do**, Truyen Tran, Svetha Venkatesh, *AAAI, 2021* (**CORE A***)
2020	*Unsupervised Anomaly Detection on Temporal Multiway Data*, Duc Nguyen, Phuoc Nguyen, **Kien Do**, Santu Rana, Sunil Gupta, Truyen Tran, *AusDM, 2020*
2020	*Theory and Evaluation Metrics for Learning Disentangled Representations*, **Kien Do**, Truyen Tran, *ICLR, 2020* (**CORE A***)
2019	*Graph Transformation Policy Network for Chemical Reaction Prediction*, **Kien Do**, Truyen Tran, Svetha Venkatesh, *KDD, 2019* (**CORE A***)
2019	*Attentional Multilabel Learning over Graphs: A Message Passing Approach*, **Kien Do**, Truyen Tran, Thin Nguyen, Svetha Venkatesh, *Machine Learning (ML) journal, 2019* (**Scimago Q1**)
2018	*Knowledge Graph Embedding with Multiple Relation Projections*, **Kien Do**, Truyen Tran, Svetha Venkatesh, *ICPR, 2018*
2018	*Energy-Based Anomaly Detection for Mixed Data*, **Kien Do**, Truyen Tran, Svetha Venkatesh, *Knowledge and Information System (KAIS) journal, 2018* (**Scimago Q1**)
2017	*Matrix-centric Neural Nets*, **Kien Do**, Truyen Tran, Svetha Venkatesh, *Workshop on Representation Learning for Graphs (ReLiG), IJCAI, 2017*
2016	*Outlier Detection on Mixed-Type Data: An Energy-based Approach*, **Kien Do**, Truyen Tran, Dinh Phung, Svetha Venkatesh, *ADMA, 2016* (**Runner-up Best Student Paper Award**)

2014   *A Community-based Vietnamese Question Answering System*, Quan Hung Tran, Nien Dinh Nguyen, **Kien Duc Do**, Thinh Khanh Nguyen, Dang Hai Tran, Minh Le Nguyen, Son Bao Pham, *KSE, 2014*

Works under Submission

2021   I am currently having 6 papers under submission: 1 in AAAI-2022, 1 in ICLR-2022, 1 in AAMAS-2022, 3 in CVPR-2022

Professional Services

2018-Present   Reviewer of the following top conferences in AI and ML: ICLR, NIPS, AAAI, CVPR, ACML

2017   Working as a student volunteer at the IJCAI-2017 conference in Melbourne

2017-Present   Presenting at the *AI Reading Seminar*, A2I2, Deakin University, Australia

Research Interests

Representation Learning, Self-supervised Learning, Disentanglement Learning, Deep Generative Models, Graph Neural Networks

Programming Skills

Programming Languages: C/C++, C#, Java, Python

Deep Learning Frameworks: Theano, TensorFlow, Pytorch

Web: HTML, Javascript, CSS, MySQL, RESTful

Other: Latex, Bash, SSH, Git, Microsoft Office