

Kien Do

Postdoctoral Research Fellow

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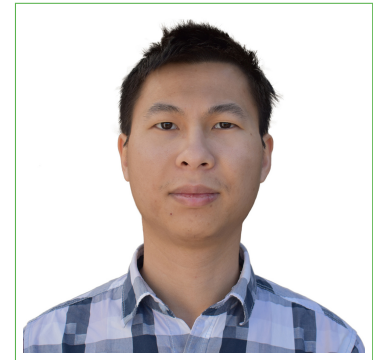
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*Google Scholar (**more than 150 citations**): [link](#)*

Website: [link](#)



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), ranking 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 (lab work)*
Responsibilities: *help students in doing lab exercises, answer questions related to the course, mark quizzes and assignments.*
- 09/2014 – 03/2016 **Lecturer**, University of Engineering and Technology (UET), Vietnam National University (VNU), Vietnam
Courses: *Fundamental Informatics 1, Data Structures and Algorithms (lab work), Computer Networking (lab work)*
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 Awards** by Deakin University for my two journal papers
- 2016 **Runner-up Best Student Paper Award** for my paper "*Outlier Detection on Mixed-Type Data: An Energy-based Approach*"
- 02/2016 **Scholarship for Doctor of Philosophy** at Deakin University, Australia

- 01/2016 **Scholarship for Master of Computer Science** at Saarland University, Germany
- 11/2015 **Scholarship for Doctor of Philosophy** at Nanyang Technological University (NTU), Singapore
- 2014 **Outstanding Student Award** awarded by the Rector of 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** granted by Japan Student Services Organization (JASSO)
- 2013 **Honourable mention of participation in the Imagine Cup Competition** by Microsoft Vietnam
- 2011 – 2014 **Scholarships for Academic Excellence** by University of Engineering and Technology (UET), Vietnam National University (VNU)

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*

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

Research Interests

Representation Learning, Self-supervised Learning, Disentanglement Learning, Deep Generative Models, Adversarial Attacks/Defenses, 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