Manh Tuan Do

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OBJECTIVE

Highly motivated graduate student looking for research positions in Data Mining, Machine Learning, and Social Network Analysis.

EDUCATION

Sep 2019 - Present	**Ph.D. Korea Advanced Institute of Science and Technology (KAIST)** Kim Jaechul Graduate School of Artificial Intelligence M.S - Ph.D Integrated Program. Data Mining & Machine Learning.
Sep 2015 - Aug 2019	**BS. Korea Advanced Institute of Science and Technology (KAIST)** Electrical Engineering - Mathematical Sciences
Sep 2012 - Jun 2015	**HUS High School for Gifted Students** Mathematics specialized

WORK EXPERIENCE

Apr 2019 - Present	**Data Mining Lab (KAIST)** Research Assistant Research on Data Mining, Graph Algorithms, Social Network Analysis and Scalable Machine Learning
Aug 2019 - Present	**Data Mining Lab (KAIST)** Reviewer Assist professor to peer-review a submission to:NeurIPS'19, '20; WWW'20, '21; ACM SIGKDD'20; CIKM'21, '23; ICDM'21, '22, '23; WSDM'21, '22, '23; SDM'23. Official Reviewer: Big Data Research Journal.
Mar 2020 - Jun 2022	**Data Mining Lab (KAIST)** Mentor Assist & mentor undergraduate students for their individual research.
Sep 2019 - Dec 2023	**KAIST Graduate School of Artificial Intelligence** Teaching Assistant - AI607: Graph Mining and Social Network Analysis - EE210: Probability and Introductory Random Processes - Samsung DS-KAIST AI Expert Program.
Mar 2018 - Dec 2018	**Laboratory of Brain and Machine Intelligence** Undergraduate Researcher

- Project: Model-based and Model-free Reinforcement Learning
- Tasks: design and test related reinforcement learning algorithms; assist a Post-doc to carry experimentation.
- Contact: Professor Sang Wan Lee , Department of Bio and Brain Engineering. URL: http://aibrain.kaist.ac.kr/

Jul 2017 - Aug 2019	**KAIST International Scholar and Student Services (ISSS)** Student Assistant Main responsibilities: - Provide assistance for international students of KAIST. - Assist several office administrative tasks. - Help prepare student events: Freshmen Orientation, Year-end International Party
Mar 2018 - Jul 2018	**KAIST International Scholar and Student Services (ISSS)** Academic Coach Main responsibilities: - Tutor and help a freshman study for basic courses. - Subjects tutored: Calculus II, Introduction to Linear Algebra
Sep 2016 - Jun 2019	**KAIST School of Freshmen** Academic Tutor Main responsibilities: - Provide tutoring sessions for a student with the subject of Multivariate Calculus, Linear Algebra, Optimization. - Concept check, assistance for homework and exam preparation.

ACTIVITIES

Jan 2018 - Jun 2019	**KAIST International Scholars and Student Services** Mentor Mentoring and assisting freshmen in terms of academics and welfare.
Sep 2015 - Jul 2017	**BizWorld - KAIST Startup Support Division** Organizing committee - Facilitator - Organize annual Entrepreneurship Conference for students from and outside of KAIST. - Participate in Startup training activities with club members.
Dec 2016 - Jan 2017	**KAIST Global Outreach Program** Team leader - Led a team of four KAIST students, achieving financial funding from KAIST Center of Overseas Development to go to attend a short course about Sustainable Agriculture in Daruma Eco Farm, Chonburi, Thailand.
Sep 2016 - Dec 2016	**KAIST International Students Association** Director of Events Division Managed the total work of the division as well as coordinating several events for internationals students at KAIST.

PUBLICATIONS

Oct 2023	"Unsupervised Alignment of Hypergraphs with Different Scales" Under Reviews.

Sep 2023	"Improving Core Resilience of Real-world Hypergraphs: Concepts, Observations, and Algorithms" ECML PKDD 2023.
Jul 2023	"Improving Core Resilience of Real-world Hypergraphs" Data Mining and Knowledge Discovery Journal.
Aug 2022	"Two-stage Training of Graph Neural Networks for Graph Classification" Neural Processing Letters Journal.
Feb 2021	"Two-stage Training of Graph Neural Networks" AAAI 2021 Workshop - Deep Learning on Graphs: Method and Applications.
Aug 2020	"Structural Patterns and Generative Models of Real-world Hypergraphs" ACM KDD 2020.

SKILLS

Languages	English (proficient), Korean (lower-intermediate), Vietnamese (native speaker)
Programming	Python, C/C++, Matlab
Frameworks	Tensorflow, Keras, PyTorch; Spark; CVX Matlab.
Soft-skills	Time-management, Adaptability, Teamwork

INTERESTS

Research interests: Algorithms, Machine Learning, Deep Learning, Data Mining, Graph Analytics, Probability, Optimization.

Leisure interests: reading books; online learning; work-out exercises.

REFERENCES

Professor. Kijung Shin
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