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Education

KAIST

PH.D. IN SCHOOL OF COMPUTING

• Advisor: Professor Joyce Jiyoung Whang

Daejeon

2023.02 - present

KAIST

M.S. IN SCHOOL OF COMPUTING

• Advisor: Professor Joyce Jiyoung Whang

Daejeon

2021.08 - 2023.02

KAIST

B.S. IN SCHOOL OF COMPUTING

• Double Major: Department of Mathematical Sciences

Daejeon

2017.03 - 2021.08

Publications

* corresponding author; + equal contributions

CONFERENCE PUBLICATIONS

Jaejun Lee, Minsung Hwang, and Joyce Jiyoung Whang*, “PAC-Bayesian Generalization Bounds for Knowledge Graph Representation Learning”, *Proceedings of the 41st International Conference on Machine Learning (ICML)*, pages 26589-26620, July 2024.

Jaejun Lee, Chanyoung Chung, Hochang Lee, Sungho Jo, and Joyce Jiyoung Whang*, “VISTA: Visual-Textual Knowledge Graph Representation Learning”, *Findings of the Association for Computational Linguistics: EMNLP 2023 (Findings of EMNLP)*, pages 7314-7328, December 2023.

Chanyoung Chung+, **Jaejun Lee**+, and Joyce Jiyoung Whang*, “Representation Learning on Hyper-Relational and Numeric Knowledge Graphs with Transformers”, *Proceedings of the 29th ACM SIGKDD Conference on Knowledge Discovery and Data Mining (KDD)*, pages 310-322, August 2023.

Jaejun Lee, Chanyoung Chung, and Joyce Jiyoung Whang*, “InGram: Inductive Knowledge Graph Embedding via Relation Graphs”, *Proceedings of the 40th International Conference on Machine Learning (ICML)*, pages 18796-18809, July 2023.

Ji Ho Kwak+, **Jaejun Lee**+, Sungho Jo*, and Joyce Jiyoung Whang*, “Semantic Grasping via a Knowledge Graph of Robotic Manipulation: A Graph Representation Learning Approach”, *Presented at 2022 IEEE/RSJ International Conference on Intelligent Robots and Systems (IROS)*, October 2022. Published at *IEEE Robotics and Automation Letters (RA-L)*

JOURNAL PUBLICATIONS

Ji Ho Kwak+, **Jaejun Lee**+, Sungho Jo*, and Joyce Jiyoung Whang*, “Semantic Grasping via a Knowledge Graph of Robotic Manipulation: A Graph Representation Learning Approach”, *IEEE Robotics and Automation Letters*, Vol. 7, No. 4, pages 9397-9404, October 2022. Also presented at *2022 IEEE/RSJ International Conference on Intelligent Robots and Systems (IROS)*

Teaching Experience

TEACHING ASSISTANT

Spring 2024 CS471 Graph Machine Learning and Mining

KAIST

Fall 2023 CS376 Machine Learning

KAIST

Spring 2023 CS471 Graph Machine Learning and Mining

KAIST

Fall 2022 CS376 Machine Learning

KAIST

Spring 2022 CS492 Special Topics in Computer Science: Graph Machine Learning and Mining

KAIST

Fall 2021 CS376 Machine Learning

KAIST

Professional Services

PEER REVIEW

ACL ARR 2024 February Reviewer