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Education

KAIST

PH.D., SCHOOL OF COMPUTING

• Advisor: Professor Joyce Jiyoung Whang

Daejeon
2023.02 - present

KAIST

M.S., SCHOOL OF COMPUTING

• Advisor: Professor Joyce Jiyoung Whang

Daejeon
2021.08 - 2023.02

KAIST

B.S., 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, CS665/DS532 Advanced Data Mining

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