Jaejun Lee (이재준, 李在埈)

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Education

KAIST   *Daejeon*
Ph.D., School of Computing   *2023.02 - present*
- Advisor: Professor Joyce Jiyoung Whang

KAIST   *Daejeon*
M.S., School of Computing   *2021.08 - 2023.02*
- Advisor: Professor Joyce Jiyoung Whang

KAIST   *Daejeon*
B.S., School of Computing   *2017.02 - 2021.08*
- Double Major: Department of Mathematical Sciences

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