

Dongki Kim

[Homepage](#) | [GitHub](#) | [Google Scholar](#) | [Twitter](#)
Email : cleverki@kaist.ac.kr

RESEARCH INTERESTS	My research interest is mainly on developing deep learning models for understanding graph topology and geometric information. I have been working on representation learning and generative model for graph with the application in the molecular graph.	
EDUCATION	KAIST M.S. in Artificial Intelligence • Advisor: Prof. Sung Ju Hwang	Deajeon, South Korea <i>Sep. 2021 – Present</i>
	Seoul National University (SNU) B.S. in Compute Science and Engineering B.S. in Applied Life Chemistry	Seoul, South Korea <i>Mar. 2014 – Feb. 2021</i> <i>Mar. 2014 – Feb. 2021</i>
PUBLICATION	Graph Generation with Destination-Driven Diffusion Mixture Jaehyeong Jo*, <u>Dongki Kim</u> *, Sung Ju Hwang Preprint, arXiv:2302.03596	
	Graph Self-supervised Learning with Accurate Discrepancy Learning <u>Dongki Kim</u> *, Jinheon Baek*, Sung Ju Hwang Conference on Neural Information Processing Systems (NeurIPS), 2022	
	Edge Representation Learning with Hypergraphs Jaehyeong Jo*, Jinheon Baek*, Seul Lee*, <u>Dongki Kim</u> , Minki Kang, Sung Ju Hwang Conference on Neural Information Processing Systems (NeurIPS), 2021 * denotes equal contribution	
RESEACRH EXPERIENCE	MLAI Lab, KAIST Research Assistant (Advisor: Prof. Sung Ju Hwang) • Conducting research on graph-structured data for representation learning and generation with the application to the molecular and general graphs.	<i>Mar. 2021 – Present</i>
	Kim Lab, University of Toronto Visiting Student (Host: Prof. Philip M. Kim) • Conducting research on protein generation using diffusion models.	<i>Feb. 2023 – Feb. 2023</i>
TALK	Generation of Graph-Structured Data with Diffusion Models at University of Toronto	
	Graph Self-supervised Learning with Accurate Discrepancy Learning at KAIST	
ACADEMIC SERVICE	Conference Reviewer • International Conference on Machine Learning (ICML), 2023 • International Conference on Machine Learning (ICML), 2022	
	REFERENCE • Prof. Sung Ju Hwang , Endowed Chair Professor, KAIST E-mail: sjhwang82@kaist.ac.kr	