

Dongki Kim

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

REFERENCE

- [Prof. Sung Ju Hwang](#), Endowed Chair Professor, KAIST
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