

Donggyun Kim

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Homepage: <https://gitgyun.github.io>

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RESEARCH INTERESTS Machine learning and deep learning:
meta-learning, efficient adaptation, lifelong learning

EDUCATION **KAIST**, Daejeon, Korea

Ph.D., School of Computing Sep 2022 - Feb 2026

- Advisor: Prof. Seunghoon Hong
- Thesis Committee: Seunghoon Hong, Sungjin Ahn, Juho Lee, Mengye Ren, and Chong Luo.

M.S., School of Computing Mar 2020 - Aug 2022

- Advisor: Prof. Seunghoon Hong
- Thesis Committee: Seunghoon Hong, Eunho Yang, and Juho Lee

B.S., Department of Mathematical Science Mar 2015 - Feb 2020

- Double major in Computer Science

PUBLICATIONS * denotes equal contribution.

- [1] **Donggyun Kim***, Jack Lu*, Chanwoo Kim, Mengye Ren, Seunghoon Hong, "HyperThink: Text-to-Parameter Hypernetworks for Efficient Reasoning", In Proceedings of the Conference on Language Modeling (COLM), 2026.
- [2] Chanhyuk Lee, Jiho Choi, Chanryeol Lee, **Donggyun Kim**, Seunghoon Hong, "AdaRank: Adaptive Rank Pruning for Enhanced Model Merging", In Proceedings of the International Conference on Learning Representations (ICLR), 2026.
- [3] Kiet T Nguyen, Chanhyuk Lee, **Donggyun Kim**, Dong Hoon Lee, Seunghoon Hong, "Universal Few-shot Spatial Control for Diffusion Models", Advances in Neural Information Processing Systems (NeurIPS), 2025.
- [4] **Donggyun Kim**, Chanwoo Kim, Seunghoon Hong, "HyperFlow: Gradient-Free Emulation of Few-Shot Fine-Tuning", arXiv preprint, 2025.
- [5] Jiho Choi*, **Donggyun Kim***, Chanhyuk Lee, Seunghoon Hong, "Revisiting weight averaging for model merging", arXiv preprint, 2024.
- [6] Seongwoong Cho*, **Donggyun Kim***, Jinwoo Lee, Seunghoon Hong, "Meta-Controller: Few-Shot Imitation of Unseen Embodiments and Tasks in Continuous Control", Advances in neural information processing systems (NeurIPS), 2024.
- [7] **Donggyun Kim**, Seongwoong Cho, Semin Kim, Chong Luo, Seunghoon Hong, "Chameleon: A Data-Efficient Generalist for Dense Visual Prediction in the Wild", In Proceedings of the European Conference on Computer Vision (ECCV), 2024. (*oral presentation*)
- [8] **Donggyun Kim**, Jinwoo Kim, Seongwoong Cho, Chong Luo, Seunghoon Hong, "Universal Few-shot Learning of Dense Prediction Tasks with Visual Token Matching", In Proceedings of the International Conference on Learning Representations (ICLR), 2023. (*outstanding paper award, oral presentation*)
- [9] **Donggyun Kim**, Seongwoong Cho, Wonkwang Lee, Seunghoon Hong, "Multi-Task Neural Processes", In Proceedings of the International Conference on Learning Representations (ICLR), 2022.

- [10] Wonkwang Lee, **Donggyun Kim**, Seunghoon Hong, Honglak Lee, "High-Fidelity Synthesis with Disentangled Representation", In Proceedings of the European Conference on Computer Vision (ECCV), 2020.

WORK EXPERIENCE	KAIST Information & Electronics Research Institute	
	<i>PostDoctoral Researcher</i>	Mar 2026 - Feb 2027 (expected)
	InnoCore postdoc member of the AI Meta-Scientist Research Center at KAIST.	
	NYU Agentic AI Learning Lab	
	<i>Visiting Scholar (collaborated with Prof. Mengye Ren)</i>	Nov 2025 - Feb 2026
	KAIST Vision and Learning Lab	
	<i>Undergraduate Research Internship (Mentor: Prof. Seunghoon Hong)</i>	Oct 2019 - Feb 2020
	Contributed as a co-author of "High-Fidelity Synthesis with Disentangled Representation".	
	KAIST MLI Lab	
	<i>Undergraduate Research Internship (Mentor: Prof. Eunho Yang)</i>	Jun 2019 - Aug 2019
HONORS AND AWARDS	Studied and implemented attention-based and convolution-based sequence models.	
	KAIST AIPR Lab	
	<i>Undergraduate Research Internship (Mentor: Prof. Kee-Eung Kim)</i>	Dec 2018 - Feb 2019
	Studied and implemented kernel-MMD methods in generative adversarial networks.	
	SK hynix Inc., Icheon, Korea	
	<i>Summer Internship, Data Science group</i>	Jun 2018 - Aug 2018
	Studied statistical systems in the semiconductor manufacturing process and developed wafer defect classifier using CNN.	
	2026 KAIST School of Computing Outstanding Paper Award	Feb 2026
	YUYEON Educational Foundation Scholarship (\$2,200)	Dec 2023
	ICLR 2023 Outstanding Paper Award (<i>top-4 of 4,955</i>)	May 2023
INVITED TALKS	KAIST-Google Partnership Program Student Travel Grant (\$2,500)	May 2023
	29th Samsung Humantech Paper Award (<i>silver prize</i>) (\$7,000)	Feb 2023
	Qualcomm Innovation Fellowship South Korea (QIFK) 2022 <i>Finalist</i>	Oct 2022
	AI Seoul 2024	
	Universal Few-shot Learning of Dense Prediction Tasks with Visual Token Matching	
	MODUCON 2023	Dec 2023
	Few-shot generalist for dense visual prediction	
	EIRIC Seminar	Aug 2023
	Universal Few-shot Learning of Dense Prediction Tasks with Visual Token Matching	
	KCCV 2023	May 2023
	Universal Few-shot Learning of Dense Prediction Tasks with Visual Token Matching	
	Consulting at KERI (Korea Electrotechnology Research Institute)	Jun 2023
	Brief introduction to few-shot learning	

TEACHING EXPERIENCE	Teaching Assistant at <i>KAIST</i>	
	• Introduction to Deep Learning (CS371)	Fall 2024
	• Computer Vision (CS576)	Spring 2023, 2024
	• Special Lecture: Introduction to Deep Learning (CS492I)	Fall 2022
	• Deep Learning for Real-world Problems (CS492H)	Spring 2020, Fall 2020
	• Undergraduate Research Program	Summer 2020, 2021
	• Introduction to Programming (CS101)	Fall 2018
	Teaching Assistant at <i>Samsung Electronics</i>	
	• Samsung AI Expert Program	Summer 2022-2024
	• Samsung AI Vision Class: Advanced Curriculum	Summer 2021
	Undergraduate Tutor at <i>KAIST</i>	
	• Machine Learning (CS376)	Fall 2019
PROJECT EXPERIENCE	Uncertainty Modeling and Calibration for Safe AI	
	<i>KAIST, Korea</i>	Mar 2020 - Feb 2021
	- Selected as Venture Research Program for Graduate and Ph.D. student in KAIST. - Studied semi-supervised learning methods for semantic segmentation and applied them to safety-critical applications such as medical imaging.	
	Personalized Dialogue Systems	
	<i>NCSOFT Corporation, Korea</i>	Mar 2019 - Dec 2019
	- Industry-university cooperation research project in KAIST. - Studied personalized dialogue systems with Transformer and researched the advancement of memory networks.	