

Chanhyuk Lee

Curriculum Vitae

Seoul/Daejeon, South Korea — chan3684@kaist.ac.kr — Homepage — GitHub — Google Scholar

RESEARCH INTEREST

My research focuses on building fast and efficient generative models. Broadly, my work spans model merging and few-shot learning for generative models. Currently, I am working on non-autoregressive text generation through diffusion models, enabling parallel decoding of language. In particular, I am interested in continuous representations of text for diffusion language models, which make various techniques from the image domain, such as flow map distillation, directly transferable. I also worked on model merging and few-shot learning, including studies on the parameter space geometries of neural networks.

EDUCATION

M.S. in Computer Science Korea Advanced Institute of Science and Technology (KAIST) School of Computing Advisor: Prof. Seunghoon Hong	Mar. 2025 – Present
B.S. in Computer Science and Chemistry (Double Major) Korea Advanced Institute of Science and Technology (KAIST)	Mar. 2019 – Feb. 2025
Gyeonggi Science High School for Gifted	Mar. 2016 – Feb. 2019

PUBLICATIONS

- P3. PatchKV: Weight-Space Compensation of KV Cache**
Chanhyuk Lee, Chanryeol Lee, Yeonwoo Choi, Donggyun Kim, Seunghoon Hong
arXiv Preprint, 2026.
- P2. Flow Map Language Models: One-step Language Modeling via Continuous Denoising**
Chanhyuk Lee, Jaehoon Yoo, Manan Agarawal, Sheel Shah, Jerry Huang, Aditi Raghunathan, Seunghoon Hong, Nicholas M. Boffi, Jinwoo Kim.
arXiv Preprint, 2026.
- C3. Infinite Mask Diffusion for Few-Step Distillation**
Jaehoon Yoo, Wonjung Kim, **Chanhyuk Lee**, Seunghoon Hong.
International Conference on Machine Learning (ICML), 2026.
- C2. AdaRank: Adaptive Rank Pruning for Enhanced Model Merging**
Chanhyuk Lee, Jiho Choi, Chanryeol Lee, Donggyun Kim, Seunghoon Hong.
International Conference on Learning Representations (ICLR), 2026.
- C1. Universal Few-Shot Spatial Control for Diffusion Models**
Kiet T. Nguyen, **Chanhyuk Lee**, Donggyun Kim, Donghoon Lee, Seunghoon Hong.
Conference on Neural Information Processing Systems (NeurIPS), 2025.
- P1. Revisiting Weight Averaging for Model Merging**
Jiho Choi*, Donggyun Kim*, **Chanhyuk Lee**, Seunghoon Hong.
arXiv Preprint, 2024.

EXPERIENCE

Graduate Research Assistant Vision and Learning Lab, KAIST CS Advisor: Prof. Seunghoon Hong Research on diffusion language models, model merging, parameter alignment.	Mar. 2025 – Present
Undergraduate Researcher Vision and Learning Lab, KAIST CS Advisor: Prof. Seunghoon Hong Research on model merging and few-shot learning.	July 2024 – Feb. 2025
Undergraduate Researcher CVML Lab, KAIST AI Advisor: Prof. Hyunjung Shim Research on efficient neural networks via weight quantization.	Jan. 2024 – June 2024

Military Service, Republic of Korea Army

Jan. 2022 – July 2023

Undergraduate Researcher

M-Design Lab, KAIST Chem

Advisor: Prof. Hyungjun Kim

Research on simulating acid-base proton transfer via DFT.

Jan. 2020 – June 2021

ACADEMIC SERVICES

Conference Reviewer: NeurIPS (2026–), ICLR (2026–)

INVITED TALKS

Flow Map Language Models: One-step Language Modeling via Continuous Denoising

– **KAIST-Mila Prefontal AI Workshop** (host: Sungsoo Ahn, Sungjin Ahn, Seunghoon Hong)

– **NVIDIA USA** (host: Boris Ginsburg)

– **Discrete Diffusion Reading Group** (host: Subham Sahoo, Zhihan Yang, Justin Deschenaux)

TEACHING

Teaching Assistant, KAIST School of Computing

Introduction to Deep Learning (CS371)

Fall 2025

Elements of AI (CS103)

Spring 2025

Teaching Assistant, Samsung Electronics

Samsung Research AI Expert Program

2025

Student Mentoring

Yeonwoo Choi, B.S. Student @ KAIST

2026–

Chanryeol Lee, B.S. Student @ KAIST **[C2]** → M.S. Student @ KAIST

2024–2025

HONORS

Awards

KAIST School of Computing Best TA Award

2025

Samsung Humantech Paper Awards (High School Track)

2018

SKILLS

Programming Languages: Python, C/C++

Languages: Korean (Native), English (Fluent, IBT TOEFL: 108)

REFERENCES

Seunghoon Hong, Associate Professor at KAIST

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