

Chanhyuk Lee

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RESEARCH INTEREST

I am interested in developing new methods for generative intelligence beyond autoregressive modeling. My current research focuses on language generation using continuous diffusion and flow models, and reasoning in continuous latent spaces. My broader interests include model merging, few-shot learning, and the geometry of neural network parameter spaces. My previous work explored generalist models that solve multiple vision tasks with a single set of model parameters.

EDUCATION

M.S. in Computer Science

Mar. 2025 – Feb. 2027 (Expected)

Korea Advanced Institute of Science and Technology (KAIST)

School of Computing

Advisor: Prof. Seunghoon Hong

B.S. in Computer Science and Chemistry (Double Major)

Mar. 2019 – Feb. 2025

Korea Advanced Institute of Science and Technology (KAIST)

PUBLICATIONS

C: Conference W: Workshop P: Preprint *Equal contribution †Equal advising

P3. Thinking with Looped Flows

Ayhan Suleymanzade, [Chanhyuk Lee](#), Floor Eijkelboom, Nicholas M. Boffi, İsmail İlkan Ceylan[†], Jinwoo Kim[†].
arXiv preprint, 2026

C5. PatchKV: Weight-Space Compensation of KV Cache

Chanryeol Lee, [Chanhyuk Lee](#), Yeonwoo Choi, Donggyun Kim[†], Seunghoon Hong[†].
NeurIPS, 2026

C4. Flow Map Language Models: One-step Language Modeling via Continuous Denoising

[Chanhyuk Lee](#), Jaehoon Yoo, Manan Agarwal, Sheel Shah, Jerry Huang, Aditi Raghunathan, Seunghoon Hong, Nicholas M. Boffi[†], Jinwoo Kim[†].

NeurIPS, 2026; COLM 2026 NonAR-LM Workshop **Spotlight**

W3. Self-conditioned Flow Map Language Models via Fixed-point Flows

Jaehoon Yoo, Wonjung Kim, Floor Eijkelboom, [Chanhyuk Lee](#), Nicholas M. Boffi, Seunghoon Hong[†], Jinwoo Kim[†].

COLM 2026 NonAR-LM Workshop **Oral**

W2. Posterior Refinement: Fast Language Generation via Any-Order Flow Maps

Manan Agarwal^{*}, Sheel Shah^{*}, [Chanhyuk Lee](#), Jaehoon Yoo, Jerry Huang, Seunghoon Hong, Aditi Raghunathan, Jinwoo Kim[†], Nicholas M. Boffi[†].

COLM 2026 NonAR-LM Workshop **Spotlight**

C3. Infinite Mask Diffusion for Few-Step Distillation

Jaehoon Yoo, Wonjung Kim, [Chanhyuk Lee](#), Seunghoon Hong.

ICML 2026

C2. AdaRank: Adaptive Rank Pruning for Enhanced Model Merging

[Chanhyuk Lee](#), Jiho Choi, Chanryeol Lee, Donggyun Kim, Seunghoon Hong.

ICLR 2026

C1. Universal Few-Shot Spatial Control for Diffusion Models

Kiet T. Nguyen, [Chanhyuk Lee](#), Donggyun Kim, Donghoon Lee, Seunghoon Hong.

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.	Jul. 2024 – Feb. 2025
Undergraduate Researcher CVML Lab, KAIST AI Advisor: Prof. Hyunjung Shim Research on efficient neural networks via weight quantization.	Jan. 2024 – Jun. 2024
Military Service , Republic of Korea Army	Jan. 2022 – Jul. 2023
Undergraduate Researcher M-Design Lab, KAIST Chemistry Advisor: Prof. Hyungjun Kim Research on simulating acid-base proton transfer via DFT.	Jan. 2020 – Jun. 2021

ACADEMIC SERVICE

Conference Reviewer: NeurIPS (2026–), ICLR (2026–)
Workshop Reviewer: COLM 2026 NonAR-LM

INVITED TALKS

Flow Map Language Models: One-step Language Modeling via Continuous Denoising
– **KAIST-Mila Prefrontal AI Workshop** (host: Sungsoo Ahn, Sungjin Ahn, Seunghoon Hong)
– **NVIDIA** (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) Elements of AI (CS103)	Fall 2025 Spring 2025
Teaching Assistant, Samsung Electronics Samsung Research AI Expert Program	2025-2026
Student Mentoring Yeonwoo Choi, Undergraduate Student @ KAIST Chanryeol Lee, Undergraduate Student @ KAIST [C2] → M.S. Student @ KAIST	2026 2024–2025

HONORS

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, TOEFL iBT: 110)

REFERENCES

Seunghoon Hong, Associate Professor at KAIST
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