

Chanhyuk Lee

Curriculum Vitae

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

RESEARCH INTERESTS

My research focuses on efficient generative modeling, particularly non-autoregressive language generation with continuous diffusion and flow models. I study representations and distillation methods that enable high-quality parallel decoding in one or few steps. My broader interests include model merging, few-shot learning, and the geometry of neural-network parameter spaces.

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

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

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

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

W1. 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[†].
COLM 2026 NonAR-LM Workshop

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	Mar. 2025 – Present
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Advisor: Prof. Seunghoon Hong
Research on diffusion language models, model merging, parameter alignment.

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 SERVICES

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)

Fall 2025

Elements of AI (CS103)

Spring 2025

Teaching Assistant, Samsung Electronics

Samsung Research AI Expert Program

2025-2026

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, TOEFL iBT: 110)

REFERENCES

Seunghoon Hong, Associate Professor at KAIST

seunghoon.hong@kaist.ac.kr