

KYUNGRYEOL LEE

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EDUCATION

Seoul National University

Integrated M.S. and Ph.D. in Electrical and Computer Engineering
Advisor: Se Young Chun

Seoul, Republic of Korea

Sep 2024 - Present

Seoul National University

B.S. in Electrical and Computer Engineering, *Cum laude*

Seoul, Republic of Korea

Mar 2020 - Aug 2024

Gyeonggi Science High School for the Gifted

Major: Mathematics, Physics

Suwon, Republic of Korea

Mar 2017 - Feb 2020

PUBLICATIONS

[Training-free Mixed-Resolution Latent Upsampling for Spatially Accelerated Diffusion Transformers](#)

Wongi Jeong*, **Kyungryeol Lee***, Hoigi Seo, Se Young Chun (*co-first authors)

Accepted at Conference on Computer Vision and Pattern Recognition (**CVPR**), 2026. (**Highlight**)

[Robust Watermarks for Audio Diffusion Models by Quadrature Amplitude Modulation](#)

Kyungryeol Lee*, Seongmin Hong*, Se Young Chun (*co-first authors)

Pattern Recognition Letters, Vol. 198, pp. 22-28, 2025.

[Efficient Personalization of Quantized Diffusion Model without Backpropagation](#)

Hoigi Seo*, Wongi Jeong*, **Kyungryeol Lee**, Se Young Chun (*co-first authors)

Conference on Computer Vision and Pattern Recognition (**CVPR**), 2025.

PREPRINTS

[Unlearning the Unpromptable: Prompt-free Instance Unlearning in Diffusion Models](#)

Kyungryeol Lee*, Kyeonghyun Lee*, Seongmin Hong*, Byung Hyun Lee, Se Young Chun (*co-first authors)

arXiv, 2026.

Accepted at CVPR Workshop on Machine Unlearning for Vision, 2026.

PATENTS

[Audio Data Management Device and Method Using A Generative AI Model](#)

Se Young Chun, Seongmin Hong, **Kyungryeol Lee**

Korea Patent Filed (Application No. 10-2025-0046656), Apr 2025

AWARDS & HONORS

AI Seoul Tech Graduate Fellowship Seoul Future Foundation	<i>Fall 2025</i>
Brain Korea 21 Four Program Korea Research Foundation	<i>Fall 2024 - Present</i>
Academic Excellence Scholarship Korea Research Foundation	<i>Spring 2023</i>
Gaheon Shindo Scholarship Gaheon Shindo Foundation	<i>Fall 2020</i>
25th Samsung Humantech Paper Award Samsung Electronics Encouragement Prize, Mathematics & Computer Science Division	<i>Jan 2019</i>

INTERNSHIPS

Samsung Talented Internship Program (STIP) Samsung Electronics Applied MAE-based model to impute missing values in tabular datasets.	<i>Summer 2024</i>
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PROJECTS

Efficient Personalization Samsung Electronics Lightweight text-to-image generation and personalization for on-device applications.	<i>2025 - Present</i>
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