

Jiwon Kang

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Research Interests

My research focuses on generative models—particularly diffusion- and flow-based methods—and their applications across vision, 3D, and multimodal domains. I am broadly interested in:

- Diffusion & Generative AI (Guidance, Sampling, Image / Audio generation)
- 3D Vision (Novel View Synthesis, NeRF, Gaussian Splatting)
- Unified Multimodal Models

Education

Integrated M.S./Ph.D. in Artificial Intelligence Mar. 2025 – Present

Kim Jaechul Graduate School of AI, KAIST Advisor: [Seungryong Kim](#) (CVLAB)

B.S. in Computer Science and Engineering Mar. 2019 – Feb. 2025

Korea University, Seoul

- Double Major in Statistics GPA: 4.24 / 4.5
- Undergraduate Research Intern, [CVLAB](#) (Sep. 2022 – Feb. 2025), Advisor: Seungryong Kim

Experience

Kakao, Seoul Mar. 2026 – May 2026

Research Intern

- Worked on *Exploring Whisper as a Continuous Tokenizer for Text-to-Speech* (under review).

Publications

*: Equal Contribution, †: Corresponding Author

International Conference

[C3] APPLE: Attribute-Preserving Pseudo-Labeling for Diffusion-Based Face Swapping [Paper](#) | [Project Page](#) | [Code](#)

Jiwon Kang^{*}, Yeji Choi^{*}, JoungBin Lee, Wooseok Jang, Jinhyeok Choi, Taekeun Kang, Yongjae Park, Myungin Kim, Seungryong Kim[†]

IEEE/CVF Conference on Computer Vision and Pattern Recognition (CVPR 2026).

[C2] A Noise is Worth Diffusion Guidance [Paper](#) | [Project Page](#) | [Code](#)

Donghoon Ahn^{*}, *Jiwon Kang*^{*}, Sanghyun Lee, Jaewon Min, Wooseok Jang, Minjae Kim, Hyungwon Cho, Sayak Paul, SeonHwa Kim, Eunju Cha[†], Kyong Hwan Jin[†], Seungryong Kim[†]

International Conference on Learning Representations (ICLR 2026).

[C1] Where and How to Perturb: On the Design of Perturbation Guidance in Diffusion and Flow Models

[Paper](#) | [Project Page](#) | [Code](#)

Donghoon Ahn^{*}, Jiwon Kang^{*}, Sanghyun Lee, Minjae Kim, Wooseok Jang, Jaewon Min, Sangwu Lee, Sayak Paul, Seungryong Kim[†]

Conference on Neural Information Processing Systems (NeurIPS 2025).

Workshop

[W1] Self-Evolving Neural Radiance Fields

Jaewoo Jung^{*}, Jisang Han^{*}, Jiwon Kang^{*}, Seongchan Kim, Min-Seop Kwak, Seungryong Kim[†]

ICCV 2025 Workshop on Wild3D: 3D Modeling, Reconstruction, and Generation in the Wild.

Preprints & Under Review

[P3] Exploring Whisper as a Continuous Tokenizer for Text-to-Speech

Jiwon Kang, Heeji Yoon, Woo-Young Kang, Sunghun Kang, Jihwan Eom, Jaeyeol Jeon, Byungseok Roh, Seungryong Kim[†]

Under Review.

[P2] Transferability Between Understanding and Generation in Unified Multimodal Models

Jiwon Kang^{*}, Heeji Yoon^{*}, Jaewoo Jung, Jaewon Min, Minkyong Jeon, Biyeon Hwang, Sangwon Jung, Seungryong Kim[†]

Under Review.

[P1] RAIN-GS: Relaxing Accurate Initialization Constraint for 3D Gaussian Splatting

Jaewoo Jung^{*}, Jisang Han^{*}, Honggyu An^{*}, Jiwon Kang^{*}, Seonghoon Park^{*}, Seungryong Kim[†]

Under Review.

Extracurricular Activities

AIKU (Artificial Intelligence Society of Korea University)

Sep. 2022 – Aug. 2023

Co-founder and Vice President

- Academic research society for undergraduate students