Jihun Park *Researcher of Computer Vision & Deep learning*

CONTACT INFORMATION

DGIST (Daegu Gyeongbuk Institute of Science and Technology), **Tel.**: +82-10-4140-2857
Dept. Interdisciplinary Studies of Artificial Intelligence (ISAI), **E-mail**: pjh2857@dgist.ac.kr
E3-319, Techno jungang-daero 333, Hyeonpung-eup, **Google scholar**: user=OPboq9YAAAAJ
Dalseong-gun, Daegu, Republic of Korea, 42988 **Homepage**: https://jihun999.github.io

RESEARCH INTERESTS

Computer Vision (Style Transfer, Generative Model)
Vision-Language Model

EDUCATION

M.S. - Ph.D. Integrated Course, Interdisciplinary Studies of *Mar. 2023 – present*
& Artificial Intelligence (ISAI), DGIST, Daegu, South Korea. ***Advisor***: *Prof. Sunghoon Im*

Bachelor of Mechanical Engineering, *Sep. 2018 – Jul. 2022*
Zhejiang University, Hangzhou, China.

Chungnam Samsung Academy, South Korea *Mar. 2015 – Feb. 2018*

PUBLICATIONS

Jihun Park*, Jongmin Gim*, Kyoungmin Lee*, Minseok Oh, Minwoo Choi, Jaeyeul Kim, Woo Chool Park and Sunghoon Im. "A Training-Free Style-aligned Image Generation with Scale-wise Autoregressive Model", (**Under-Review**).

Jihun Park*, Jongmin Gim*, Kyoungmin Lee*, Seunghun Lee, and Sunghoon Im. "Style-Editor: Text-driven object-centric style editing", Conference on Computer Vision and Pattern Recognition (**CVPR**), (**Highlight paper, Top 3.7%**) , Jun 2025.

Jongmin Gim*, **JiHun Park***, Kyoungmin Lee*, and Sunghoon Im. "콘텐츠 적응형 벡터 양자화 기반 비학습 스타일 전환 기술", Workshop on Image Processing and Image Understanding (**IPIU**), Feb 2025.

Jongmin Gim*, **Jihun Park***, Kyoungmin Lee*, and Sunghoon Im. "Content-Adaptive Style Transfer: A Training-Free Approach with VQ Autoencoders", Asian Conference on Computer Vision (**ACCV**), Dec 2024.

JiHun Park*, Jongmin Gim*, Kyoungmin Lee*, Seunghun Lee, and Sunghoon Im. "텍스트 기반의 의미 적응형 스타일 전환 기술", Workshop on Image Processing and Image Understanding (**IPIU**), Jan 2024.

WORK EXPERIENCE

Software Engineer Intern, Flash billion, Shanghai, China *Jan. 2021 – Mar. 2022*

AWARDS

- Encouragement prize, 30th HumanTech Paper Awards, *Jan. 2024*
  — Samsung Electronics Co., Ltd.

PROJECTS	• **Multi prompt-based image generation** *Jul. 2024 – Present* NIPA, Innovation Hub AI Data Convergence Project. Hyperparameter comparison for text-to-image diffusion models with fast sampling. Improving the performance of image editing models via query injection.
	• **Software development of smart glasses** *Jul. 2023 – Jun. 2024* Daegu Digital Innovation Promotion Agency, Industry-Academic R&BD Collaboration Commercialization Project Development of a vision-picking system for the logistics industry based on artificial intelligence object recognition. Development of an object detection module using an object detection model and data processing.

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PATENTS

• CONTENT-ADAPTIVE VECTOR QUANTIZATION-BASED NON-LEARNING STYLE SWITCHING TECHNIQUE,

Publication date: Nov. 21, 2024. (10-2024-0166851)

• COMPUTER PROGRAM FOR TEXT-BASED, OBJECT-ORIENTED STYLE TRANSFER. (10-2023-0195850)

• COMPUTER PROGRAM AND MEHTOD FOR STYLE TRANSFER. (10-2023-0131272)

• COMPUTER PROGRAM AND MEHTOD FOR LOST AND FOUND SYSTEM. (10-2018-0072114)

OTHER EXPERIENCES

• Delivered an invited presentation at the DGIST Generative AI Integrated Seminar *Oct. 2024*

• Selected to represent DGIST at the official institutional booth during the 2025 Korea Science Festival *Apr. 2025*

SKILLS

Language: Python, C, Latex

Development: Pytorch, Tensorflow

Data Analysis: Numpy, Pandas, scikit-learn

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