Jihun Park *Researcher of Computer Vision & Deep learning*

CONTACT INFORMATION	DGIST (Daegu Gyeongbuk Institute of Science and Technology),	**Tel.**: +82-10-4140-2857
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RESEARCH INTERESTS

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

EDUCATION

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

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

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

PUBLICATIONS

JiHun Park*, Jongmin Gim*, Kyoungmin Lee*, 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**), Jun 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.

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** *Sep. 2023 − Feb. 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.

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)

SKILLS
Language: Python, C, Latex
Development: Pytorch, Tensorflow
Data Analysis: Numpy, Pandas, scikit-learn