

Jihun Park

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Research Interests

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

Education

- M.S. DGIST**, Interdisciplinary Studies of Artificial Intelligence (ISAI) Mar 2023 – Present
- **Ph.D.** Advisor: Prof. Sunghoon Im
- B.S. Zhejiang University**, Mechanical Engineering Sep 2018 – Jul 2022

Experience

- Flash Billion**, Software Engineer Intern Jan 2021 – Mar 2022
- Built and trained end-to-end speech recognition models using deep learning frameworks
 - Developed scalable data preprocessing pipelines for audio datasets, including feature extraction and noise filtering

Publications

* indicates equal contribution. † indicates corresponding author.

- Jongmin Gim*, **Jihun Park***, Kyoungmin Lee*, and Sunghoon Im†. “Content-Adaptive Style Transfer: A Training-Free Approach with VQ Autoencoders”, ACCV 2024.
[\[paper\]](#)
- Jihun Park***, Jongmin Gim*, Kyoungmin Lee*, Seunghun Lee, and Sunghoon Im†. “Style-Editor: Text-driven object-centric style editing”, CVPR 2025. **Highlight Paper (Top 3.7%)**.
[\[paper\]](#) [\[project page\]](#)
- 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).
[\[paper\]](#)
- Sanggyun Ma*, Wonjoon Choi*, **Jihun Park***, Seunghun Lee, Jiwan Seo, Jaeyeul Kim, and Sunghoon Im†. “Bridging Geometric and Semantic Foundation Models for Generalized Monocular Depth Estimation”, (Under Review).
[\[paper\]](#)
- Jihun Park***, Kyoungmin Lee*, Jongmin Gim*, Hyeonseo Jo, Minseok Oh, Wonhyeok Choi, Kyumin Hwang, Jaeyeul Kim, and Sunghoon Im†. “Infinite-Story: A Training-Free Consistent Text-to-Image Generation with Scale-wise Autoregressive Model”, (Under Review).
- Kyoungmin Lee*, **Jihun Park***, Jongmin Gim*, Wonhyeok Choi, Kyumin Hwang, Jaeyeul Kim, and Sunghoon Im†. “A Training-Free Style-Personalization via Scale-wise Autoregressive Model”, (Under Review).
- Wonhyeok Choi, Kyumin Hwang, **Jihun Park**, Kyoungmin Lee, Seunghun Lee, Jaeyeul Kim, Minwoo Choi, and Sunghoon Im†. “TaskForce: Cooperative Multi-agent Reinforcement Learning for Multi-task Optimization”, (Under Review).
- Jeonghoon Kim*, Hyeon Kang*, **Jihun Park**, Jinhwoi Kim, Jaeyeul Kim, and Sunghoon Im†. “Mitigating Noisy Correspondence in Video-Text Retrieval via Noise-mined Adaptive Self-Labeling”, (Under Review).

- Sanggyun Ma*, Wonjoon Choi*, **Jihun Park**, Jaeyeul Kim, and Sunghoon Im†. “*Semantic-Enhanced Monocular Depth Estimation via Fusion and Distillation of Foundation Models*”, (Under Review).

Projects

Multi prompt-based image generation

Jul 2024 – Present

NIPA AI Data Convergence Project: fast sampling, query injection in diffusion models.

Smart Glasses Software Development

Jul 2023 – Jun 2024

AI-based object recognition system for logistics industry.

Patents

- Style-aligned image generation (10-2025-0054822)
- Depth estimation via geometric-semantic fusion (10-2024-0176489)
- Content-adaptive VQ style transfer (10-2024-0166851)
- Text-driven style transfer (10-2023-0195850)
- Lost and found system (10-2018-0072114)

Awards

- Encouragement Prize – 30th HumanTech Paper Awards, Samsung Electronics, Jan 2024

Other Experiences

- DGIST representative – 2025 Korea Science Festival
- Invited talk – DGIST Generative AI Integrated Seminar, Oct 2024

Skills

Languages: Python, C, LaTeX

Frameworks: PyTorch, TensorFlow

Tools: Numpy, Pandas, scikit-learn