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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. Bachelor of Mechanical Engineering, Zhejiang University, Hangzhou, China. Chungnam Samsung Academy, South Korea	Mar. 2023 – present Advisor: Prof. Sunghoon Im Sep. 2018 – Jul. 2022 Mar. 2015 – Feb. 2018
PUBLICATIONS	<p>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).</p> <p>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).</p> <p>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).</p> <p>Jihun Park*, Kyoungmin Lee*, Jongmin Gim*, Hyeonsoo 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).</p> <p>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]</p> <p>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).</p> <p>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]</p> <p>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. [paper] [project page]</p> <p>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. [paper]</p>	

WORK EXPERIENCE	Software Engineer Intern, Flash billion, Shanghai, China	Jan. 2021 – Mar. 2022
AWARDS	<ul style="list-style-type: none"> Encouragement prize, 30th HumanTech Paper Awards, — Samsung Electronics Co., Ltd. 	Jan. 2024
PROJECTS	<ul style="list-style-type: none"> Multi prompt-based image generation 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 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. 	Jul. 2024 – Present Jul. 2023 – Jun. 2024
PATENTS	<ul style="list-style-type: none"> METHOD FOR GENERATING STYLE ALIGNED IMAGES USING AUTOREGRESSIVE MODEL. (10-2025-0054822) MONOCULAR DEPTH ESTIMATION METHOD BASED ON FUSION OF GEOMETRIC AND SEMANTIC INFORMATION. (10-2024-0176489) 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, Publication date: Mar. 02, 2025. (10-2023-0131272) COMPUTER PROGRAM AND MEHTOD FOR LOST AND FOUND SYSTEM. (10-2018-0072114) 	
OTHER EXPERIENCES	<ul style="list-style-type: none"> Selected to represent DGIST at the official institutional booth during the 2025 Korea Science Festival Delivered an invited presentation at the DGIST Generative AI Integrated Seminar 	Apr. 2025 Oct. 2024
SKILLS	Language: Python, C, Latex Development: Pytorch, Tensorflow Data Analysis: Numpy, Pandas, scikit-learn	