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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*, <b>Jihun Park</b>, Jaeyeul Kim, and Sunghoon Im. "Semantic-Enhanced Monocular Depth Estimation via Fusion and Distillation of Foundation Models", (<b>Under-Review</b>).</p> <p>Kyoungmin Lee*, <b>Jihun Park*</b>, Jongmin Gim*, Wonhyeok Choi, Kyumin Hwang, Jaeyeul Kim and Sunghoon Im. "A Training-Free Style-Personalization via Scale-wise Autoregressive Model", (<b>Under-Review</b>).</p> <p>Wonhyeok Choi, Kyumin Hwang, <b>Jihun Park</b>, Kyoungmin Lee, Seunghun Lee, Jaeyeul Kim, Minwoo Choi, and Sunghoon Im. "TaskForce: Cooperative Multi-agent Reinforcement Learning for Multi-task Optimization", (<b>Under-Review</b>).</p> <p><b>Jihun Park*</b>, 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", (<b>Under-Review</b>).</p> <p>Sanggyun Ma*, Wonjoon Choi*, <b>Jihun Park*</b>, Seunghun Lee, Jiwan Seo, Jaeyeul Kim, and Sunghoon Im. "Bridging Geometric and Semantic Foundation Models for Generalized Monocular Depth Estimation", (<b>Under-Review</b>).</p> <p>Jeonghoon Kim*, Hyeon Kang*, <b>Jihun Park</b>, Jinhwoi Kim, Jaeyeul Kim, and Sunghoon Im. "Mitigating Noisy Correspondence in Video-Text Retrieval via Noise-mined Adaptive Self-Labeling", (<b>Under-Review</b>).</p> <p><b>Jihun Park*</b>, 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", (<b>Under-Review</b>).</p> <p><b>Jihun Park*</b>, Jongmin Gim*, Kyoungmin Lee*, Seunghun Lee, and Sunghoon Im. "Style-Editor: Text-driven object-centric style editing", Conference on Computer Vision and Pattern Recognition (<b>CVPR</b>), (<b>Highlight paper, Top 3.7%</b>) , Jun 2025.</p> <p>Jongmin Gim*, <b>Jihun Park*</b>, Kyoungmin Lee*, and Sunghoon Im. "Content-Adaptive Style Transfer: A Training-Free Approach with VQ Autoencoders", Asian Conference on Computer Vision (<b>ACCV</b>), Dec 2024.</p>	

WORK EXPERIENCE	Software Engineer Intern, Flash billion, Shanghai, China	Jan. 2021 – Mar. 2022
AWARDS	<ul style="list-style-type: none"> <li>Encouragement prize, 30th HumanTech Paper Awards, — Samsung Electronics Co., Ltd.</li> </ul>	Jan. 2024
PROJECTS	<ul style="list-style-type: none"> <li> <b>Multi prompt-based image generation</b>  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. </li> <li> <b>Software development of smart glasses</b>  Daegu Digital Innovation Promotion Agency, Industry-Academic R&amp;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. </li> </ul>	Jul. 2024 – Present  Jul. 2023 – Jun. 2024
PATENTS	<ul style="list-style-type: none"> <li>METHOD FOR GENERATING STYLE ALIGNED IMAGES USING AUTOREGRESSIVE MODEL. (10-2025-0054822)</li> <li>MONOCULAR DEPTH ESTIMATION METHOD BASED ON FUSION OF GEOMETRIC AND SEMANTIC INFORMATION. (10-2024-0176489)</li> <li>CONTENT-ADAPTIVE VECTOR QUANTIZATION-BASED NON-LEARNING STYLE SWITCHING TECHNIQUE, Publication date: Nov. 21, 2024. (10-2024-0166851)</li> <li>COMPUTER PROGRAM FOR TEXT-BASED, OBJECT-ORIENTED STYLE TRANSFER. (10-2023-0195850)</li> <li>COMPUTER PROGRAM AND MEHTOD FOR STYLE TRANSFER, Publication date: Mar. 02, 2025. (10-2023-0131272)</li> <li>COMPUTER PROGRAM AND MEHTOD FOR LOST AND FOUND SYSTEM. (10-2018-0072114)</li> </ul>	
OTHER EXPERIENCES	<ul style="list-style-type: none"> <li>Selected to represent DGIST at the official institutional booth during the 2025 Korea Science Festival</li> <li>Delivered an invited presentation at the DGIST Generative AI Integrated Seminar</li> </ul>	Apr. 2025  Oct. 2024
SKILLS	<b>Language:</b> Python, C, Latex <b>Development:</b> Pytorch, Tensorflow <b>Data Analysis:</b> Numpy, Pandas, scikit-learn	