

CONTACT INFORMATION	Daegu Gyeongbuk Institute of Science and Technology(DGIST) Interdisciplinary Studies of Artificial Intelligence 333, Techno jungang-daero, Hyeonpung-eup, Dalseong-gun, Daegu, Republic of Korea, 42988	
RESEARCH INTERESTS	Computer Vision (Style transfer, Image Generation Models) Text-Image Multi-modal Model Human-Computer Interaction	
EDUCATION	Ph.D. in Interdisciplinary Studies of Artificial Intelligence (ISAI), DGIST, Daegu, Korea.	Aug. 2025 – Present <i>Advisor: Prof. Sunghoon Im</i>
	M.S. in Interdisciplinary Studies of Artificial Intelligence (ISAI), DGIST, Daegu, Korea.	Feb. 2023 – Feb. 2025 <i>Advisor: Prof. Sunghoon Im</i>
	B.S. in Data Science Major, School of Information Convergence, Kwangwoon University, Seoul, Korea.	Mar. 2017 – Feb. 2023 <i>Major GPA: 4.03/4.5</i>
WORK EXPERIENCE	Researcher, Korea Electronics Technology Institute(KETI), Korea, — Hologram Research Center, Computer vision researcher.  Undergraduate Intern, Kwangwoon University, Korea, — Participation in lab seminar and conference, Industry-university projects (IITP), etc.	Mar. 2025 – Jul. 2025  Jul. 2021 – Dec. 2022
PUBLICATIONS	Kyoungmin Lee*, JiHun Park*, <b>Jongmin Gim*</b> , Wonhyeok Choi, Kyumin Hwang, Jaeyeul Kim, and Sunghoon Im. "A Training-Free Style-Personalization via SVD-Based Feature Decomposition", arXiv 2025. <a href="#">[paper]</a>  JiHun Park*, <b>Jongmin Gim*</b> , 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", arXiv 2025. <a href="#">[paper]</a>  JiHun Park*, Kyoungmin Lee*, <b>Jongmin Gim*</b> , Hyeonseo Jo, Minseok Oh, Wonhyeok Choi, Kyumin Hwang, Jaeyeul Kim, and Sunghoon Im. "Infinite-Story: A Training-Free Consistent Text-to-Image Generation", Annual AAAI Conference on Artificial Intelligence ( <b>AAAI oral</b> ), Jan 2026. <a href="#">[paper]</a> <a href="#">[project]</a>  JiHun Park*, <b>Jongmin Gim*</b> , Kyoungmin Lee*, Seunghun Lee, and Sunghoon Im. "Style-Editor: Text-driven object-centric style editing", Conference on Computer Vision and Pattern Recognition ( <b>CVPR Highlight</b> ), Jun 2025. <a href="#">[paper]</a> <a href="#">[project]</a>  <b>Jongmin Gim*</b> , JiHun Park*, 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. <a href="#">[paper]</a>	
	* Co-first author	
AWARDS	<ul style="list-style-type: none"><li>Encouragement prize, 30th HumanTech Paper Awards, — Samsung Electronics Co., Ltd.</li><li>Academic Scholarship, — Spring · Fall Semester, 2021; Spring Semester, 2022</li></ul>	
	<i>Jan. 2024</i>	
	<i>Mar 2022</i>	
	<i>Mar, Sep. 2021</i>	

PROJECTS	• <b>Multi prompt-based image generation</b>	<i>Jul. 2024 – Feb. 2025</i>
	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.	
	• <b>CCTV Event Detection</b>	<i>Sep. 2023 – Feb. 2024</i>
	ETRI Daegu-Gyeongbuk Research Division, Development and Performance Comparative Analysis of CCTV Event Detection Module Based on Deep Learning and Foundation Models. Development of an event detection module using object tracking model, Data processing.	
• <b>Video Tagging and Video retrieval</b>		<i>Mar. 2023 – Aug. 2023</i>
	10kM, Industry-University-Linked Project.	
	Video Tagging with Scene graph generation model, video captioning with prompt engineering, develop word-based video retrieval method.	
• <b>Development and Commercialization of AI-based Self-training and Monitoring Solutions for Patients with Parkinsonism,</b>		<i>Apr. 2022 – Dec. 2022</i>
	IITP, ICT R&D Innovation Voucher Project.	
	Facial rehabilitation technology research, Facial expression classification modeling, indexation, and analysis using facial landmark points.	
• <b>Dog face landmark detection</b>		<i>Jul. 2021 – May. 2022</i>
	Kwangwoon Univ 6th SW Industry-University-Linked Project.	
	Construct facial landmark detection model and implement model to the application.	
PATENTS	• METHOD FOR GENERATING PERSONALIZED IMAGE IN A NON LEARNING STYLE USING A SCALE-BASED AUTOREGRESSIVE MODEL, (10-2025-0099672).	
	• METHOD FOR GENERATING STYLE ALIGNED IMAGES USING AUTOREGRESSIVE MODEL, (10-2025-0054822).	
	• CONTENT-ADAPTIVE VECTOR QUANTIZATION-BASED NON-LEARNING STYLE SWITCHING TECHNIQUE, (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).	
	• APPARATUS AND METHOD FOR ANALYZING LEARNING PATTERN, (10-2022-0152564).	
SKILLS	<b>Language:</b> Python, HTML/CSS/JS (Front-End), Android	
	<b>Development and Data Analysis:</b> Pytorch, Numpy, Pandas, scikit-learn, process-mining	
	<b>Design:</b> Figma, Adobe XD	