

Hoiyeong Jin

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RESEARCH INTERESTS

Generative Models, Image/Video Generation and Editing, Vision-Language-Action (VLA) models

EDUCATION

| | |
|---|-----------------------|
| Korea Advanced Institute of Science and Technology (KAIST) <i>Integrated M.S./Ph.D. in Artificial Intelligence (Advisor: Dr. Jaegul Choo)</i> | Mar. 2025 – present |
| KyungHee University <i>Bachelor of Software Convergence, (GPA 4.02 / 4.5)</i> | Mar. 2019 – Feb. 2023 |

PUBLICATIONS

- [5] **InsertAnywhere: Bridging 4D Scene Geometry and Diffusion Models for Realistic Video Object Insertion**
Hoiyeong Jin*, Hyojin Jang*, Jeongho Kim*, Junha Hyung, Kinam Kim, Dongjin Kim, Huijin choi, Hyeonji Kim, Jaegul Choo
Under Review, 2026
- [4] **Infinite-Homography as Robust Conditioning for Camera-Controlled Video Generation**
Minjung Kim*, Jeongho Kim*, Hoiyeong Jin, and Jaegul Choo
Under Review, 2026
- [3] **ACG: Action Coherence Guidance for Flow-based VLA models**
Minho Park*, Kinam Kim*, Junha Hyung, Hyojin Jang, Hoiyeong Jin, Jooyeol Yun, Hojoon Lee, Jaegul Choo
Under Review, 2026
- [2] **PromptDresser: Improving the Quality and Controllability of Virtual Try-On via Generative Textual Prompt and Prompt-aware Mask**
Jeongho Kim*, Hoiyeong Jin*, Sunghyun Park and Jaegul Choo
IEEE/CVF International Conference on Computer Vision (ICCV), 2025.
- [1] **Descanning: From Scanned to the Original Images with a Color Correction Diffusion Model**
Junghun Cha*, Ali Haider*, Seoyun Yang, Hoiyeong Jin, Subin Yang, A FM SHAHAB UDDIN, Jaehyeong Kim, Soo Ye Kim and Sung-Ho Bae
In Proceedings of the AAAI Conference on Artificial Intelligence (AAAI), 2024.

AWARDS

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| Military AI CompetitiON (MAICON) – Building Change Detection Using Aerial Image Data (Segmentation) – Image Denoising for All-Weather Mission Execution (Image Restoration) – 3rd ranked | 2022 |
| KHUGGLE AI Challenge – Real-World Super-Resolution – 2nd ranked | 2022 |
| Samsung AI Challenge : Image Quality Assessment – Predicting Quantitative Evaluation Scores for the Quality of Image (IQA) – Expressing the Evaluation Results in Natural Language (Image Captioning) – 3nd ranked | 2023 |
| Military AI CompetitiON (MAICON) – Deepfake Video Classification – 4th ranked (2nd ranked on leaderboard) | 2023 |