Hyeonho Jeong

Homepage: hyeonho99.github.io   **Email**: `hyeonho.jeong@kaist.ac.kr`   **Phone**: +82-10-7117-6751

Interests   Generative Models, Diffusion Models, {Image, Video, 4D} Editing, Efficient Video Generation

Education

KAIST, Graduate School of AI   Daejeon, Korea
M.S., Artificial Intelligence   2023.09 - 2025.06 (Expected)
- Advisor: Professor Jong Chul Ye

Sungkyunkwan University, College of Computing   Suwon, Korea
B.S., Software Engineering   2017.03 - 2023.06
- GPA: 4.15/4.5
- Leave of Absence: Army Sergeant, honorable discharge   2019 - 2021

Work Experience

Adobe Research
Research Scientist Intern (Host: Duygu Ceylan)   2024.07 - 2024.9

Publications

Track4Gen: Teaching Video Diffusion Models to Track Points Improves Video Generation
Hyeonho Jeong, Chun-Hao Paul Huang, Jong Chul Ye, Niloy Mitra, Duygu Ceylan
CVPR 2025
Project: hyeonho99.github.io/track4gen

Spectral Motion Alignment for Video Motion Transfer using Diffusion Models
Geon Yeong Park*, Hyeonho Jeong*, Sang Wan Lee, Jong Chul Ye (*equal contribution)
AAAI 2025
Project: geonyeong-park.github.io/spectral-motion-alignment

DreamMotion: Space-Time Self-Similar Score Distillation for Zero-Shot Video Editing
Hyeonho Jeong, Jinho Chang, Geon Yeong Park, Jong Chul Ye
ECCV 2024
Project: hyeonho99.github.io/dreammotion

VMC: Video Motion Customization using Temporal Attention Adaption for Text-to-Video Diffusion Models
Hyeonho Jeong*, Geon Yeong Park*, Jong Chul Ye (*equal contribution)
CVPR 2024
Project: video-motion-customization.github.io

Ground-A-Video: Zero-shot Grounded Video Editing using Text-to-image Diffusion Models
Hyeonho Jeong, Jong Chul Ye
ICLR 2024
Project: ground-a-video.github.io

Neural Network Training Strategy to Enhance Anomaly Detection Performance: A Perspective on Reconstruction Loss Amplification
YeongHyeon Park, Sungho Kang, Myung Jin Kim, Hyeonho Jeong, Hyunkyu Park, Hyeong Seok Kim, Juneho Yi
ICASSP 2024

Preprints	**Reangle-A-Video: 4D Video Generation as Video-to-Video Translation**
	Hyeonho Jeong*, Suhyeon Lee*, Jong Chul Ye (*equal contribution)
	Project: hyeonho99.github.io/reangle-a-video
	On Unifying Video Generation and Camera Pose Estimation
	Chun-Hao Paul Huang, Jae Shin Yoon, Hyeonho Jeong, Niloy Mitra, Duygu Ceylan
	Project: paulchhuang.github.io/jog3rwebsite
	Zero-shot Generation of Coherent Storybook from Plain Text Story using Diffusion Models
	Hyeonho Jeong, Gihyun Kwon, Jong Chul Ye

Awards	**Finalist, Qualcomm Innovation Fellowship Korea**	2024
	BISPL Best Master Student Award	2023, 2024
	Dean's List	2018, 2021, 2022
	Sungkyun Software Scholarship	2018-2023

Invited Talks	**Diffusion-based Controllable Video Editing and Synthesis**	
	University of Waterloo	2024.12
	Adobe Research	2024.10

Reviewer	ICLR (2025)
	Eurographics (2025)
	IJCV, TPAMI

Teaching experience	**TA, KAIST**	
	AI 618: Generative models and unsupervised learning	Spring 2024, 2025

References	**Jong Chul Ye**	
	M.S. advisor (KAIST)	jong.ye@kaist.ac.kr
	Duygu Ceylan	
	Research Internship Host (Adobe)	ceylan@adobe.com