Hyeonho Jeong

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

Interests   {Image, Video, 3D} Editing & Synthesis using Generative Models (e.g., Diffusion Models)

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

Work Experience   **Adobe Research**
Research Scientist Intern (Host: Duygu Ceylan)   2024.07 - 2024.10

Publications

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

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

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

On Unifying Video Generation and Camera Pose Estimation
Chun-Hao Paul Huang, Jae Shin Yoon, Hyeonho Jeong, Niloy Mitra, Duygu Ceylan

Zero-shot Generation of Coherent Storybook from Plain Text Story using Diffusion Models
Hyeonho Jeong, Gihyun Kwon, Jong Chul Ye

Awards	BISPL Best Master Student Award	2023
	Dean's List	2018, 2021, 2022
	Sungkyun Software Scholarship	2018-2023

Skills

English: Fluent.
Computer Languages: Python, C, C++, Java, JavaScript and LaTeX.
Deep Learning Frameworks: PyTorch and TensorFlow.

Reviewer

ICLR, IJCV, TPAMI

Teaching experience

TA, KAIST
AI 618: Generative models and unsupervised learning

References

Jong Chul Ye
M.S. advisor (KAIST)   jong.ye@kaist.ac.kr

Duygu Ceylan
Host (Adobe)   ceylan@adobe.com