Hyeonho Jeong

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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 (Expected)

Publications

DreamMotion: Space-Time Self-Similarity 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

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

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

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

NeurIPS 2023 Workshop on Diffusion Models, IJCV

Teaching experience

TA, KAIST
AI 618: Generative models and unsupervised learning

References

Jong Chul Ye
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