

Minho Park

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Education

Korea Advanced Institute of Science and Technology (KAIST)

Ph.D. in Artificial Intelligence, GPA: 4.00/4.3

- Advisor: Jaegul Choo

Daejeon, Korea

Mar. 2024 - Feb. 2028

Korea Advanced Institute of Science and Technology (KAIST)

M.S. in Artificial Intelligence, GPA: 4.00/4.3

- Advisor: Jaegul Choo

Daejeon, Korea

Sep. 2021 - Feb. 2024

Korea University

B.S. in Electrical Engineering, GPA: 4.11/4.5

Gyeonggi Science High School for the Gifted

Seoul, Korea

Mar. 2018 - Aug. 2021

Suwon, Korea

Mar. 2015 - Feb. 2018

Publications

Conference Paper

- [C7] **Minho Park***, Kinam Kim*, Junha Hyung, Hyojin Jang, Hoeyeong Jin, Jooyeol Yun, Hojoon Lee, Jaegul Choo
“ACG: Action Coherence Guidance for Flow-based VLA models”
○ *ICRA 2026* [[Paper](#)] [[Code](#)] [[Project](#)] [[HF Models](#)] [[Youtube](#)]
- [C6] **Minho Park***, Taewoong Kang*, Jooyeol Yun, Sungwon Hwang, Jaegul Choo “SphereDiff: Tuning-free Omnidirectional Panoramic Image and Video Generation via Spherical Latent Representation”
○ *AAAI 2026* (*Oral Presentation*) [[Paper](#)] [[Code](#)] [[Project](#)]
- [C5] Daehoon Gwak*, Minseo Jung*, Junwoo Park, **Minho Park**, Chaehun Park, Junha Hyung, Jaegul Choo
“Reward-weighted sampling: Enhancing non-autoregressive characteristics in masked diffusion llms”
○ *EMNLP 2025* (*Main*) [[Paper](#)]
- [C4] Daehoon Gwak*, Junwoo Park*, **Minho Park**, Chaehun Park, Hyunchan Lee, Edward Choi, Jaegul Choo
“Forecasting Future International Events: A Reliable Dataset for Text-Based Event Modeling”
○ *EMNLP 2024* (*Findings*) [[Paper](#)] [[HF Datasets](#)]
- [C3] Jeongho Kim, Gyojung Gu, **Minho Park**, Sunghyun Park, and Jaegul Choo “StableVITON: Learning Semantic Correspondence with Latent Diffusion Model for Virtual Try-On”
○ *CVPR 2024* [[Paper](#)] [[Code](#)] [[Project](#)]
- [C2] **Minho Park***, Jooyeol Yun*, Seunghwan Choi, and Jaegul Choo. “Learning to Generate Semantic Layouts for Higher Text-Image Correspondence in Text-to-Image Synthesis.”
○ *ICCV 2023* [[Paper](#)] [[Code](#)] [[Project](#)]
- [C1] Jooyeol Yun*, Sanghyeon Lee*, **Minho Park***, and Jaegul Choo. “iColoriT: Towards Propagating Local Hint to the Right Region in Interactive Colorization by Leveraging Vision Transformer.”
○ *WACV 2023* [[Paper](#)] [[Code](#)] [[Project](#)]

Preprint

- [P3] Taewoong Kang*, Kinam Kim*, Dohyeon Kim*, **Minho Park**, Junha Hyung, Jaegul Choo “EgoX: Egocentric Video Generation from a Single Exocentric Video”
○ *arXiv 2025 preprint* [[Paper](#)] [[Code](#)] [[Project](#)] [[HF Models](#)]

- [P2] Kyungmin Lee*, Sibeon Kim*, **Minho Park**, Hyunseung Kim, Dongyoong Hwang, Hojoon Lee, Jaegul Choo
“ACG: Action Coherence Guidance for Flow-based VLA models”
o arXiv 2025 preprint [Paper] [Code] [Project] [HF Datasets]
- [P1] **Minho Park**, Sunghyun Park, Jungsoo Lee, Hyojin Park, Kyuwoong Hwang, Fatih Porikli, Jaegul Choo, and Sungha Choi “Concept-Aware LoRA for Domain-Aligned Segmentation Dataset Generation”
o arXiv 2025 preprint [Paper]

Work Experience

Qualcomm AI Research

Research Intern

- o Advisor: Sungha Choi

Seoul, Korea

Mar. 2024 - Aug. 2024

Academic Activities

Conference reviewers: CVPR, NeurIPS, ICLR, etc.

Talks and Slides

Diffusion models: [DDPM], [Distilling Diffusion Models], [Gaussian-Categorical Diffusion Models]

Dataset Generation: [Classification with Foundation Models]

Teaching Experience

AI Workshop Instructor

LG AI Research: Dataset Generation via Generative Models, Feb. 2024.

SKT Market Top AI: Zero-shot Classification with Foundation Models, Jul. 2023.

Deepnoid Tech Meet: Gaussian-Categorical Diffusion Models, Dec. 2023.

Artificial Intelligence Graduate School Symposium: Learning to Generate Semantic Layouts for Higher Text-Image Correspondence in Text-to-Image Synthesis, Oral session, Aug. 2023.

Teaching Assistant

KAIST Generative and Unsupervised Deep Learning: KAIST, Sep. 2023 - Dec. 2023.

DAVIAN basic study: Linear Algebra, Jul. 2023 - Aug. 2023.

SK ML Engineer Course: Computer Vision, Jun. 2023 - Jul 2023.

DAVIAN basic study: Computer Vision, Jan. 2023 - Feb. 2023.

DAVIAN basic study: Computer Vision, Jul. 2022 - Aug. 2022.

Samsung-SNU AI Expert Course: Linear Algebra, May. 2022

Programming Skills

Python, PyTorch, Deep Learning Framework (e.g., Diffusers, LeRobot, Detectron2, MMSegmentation, etc.)

Reference

Jaegul Choo

Associate Professor

KAIST

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Sungha Choi

Senior Staff AI Researcher

Qualcomm AI Research

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