Minho Park

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Education

Korea Advanced Institute of Science and Technology (KAIST) — **Daejeon, Korea**
Ph.D. in Artificial Intelligence, GPA: 4.00/4.3 — *Mar. 2024 - Present*
- Advisor: Jaegul Choo

Korea Advanced Institute of Science and Technology (KAIST) — **Daejeon, Korea**
M.S. in Artificial Intelligence, GPA: 4.00/4.3 — *Sep. 2021 - Feb. 2024*
- Advisor: Jaegul Choo

Korea University — **Seoul, Korea**
B.S. in Electrical Engineering, GPA: 4.11/4.5 — *Mar. 2018 - Aug. 2021*

Gyeonggi Science High School for the Gifted — **Suwon, Korea**
Mar. 2015 - Feb. 2018

Publications

Conference Paper

[C9] **Minho Park**, Sunghyun Park, Jungsoo Lee, Hyojin Park, Kyuwoong Hwang, Fatih Porikli, Jaegul Choo, Sungha Choi "Concept-Aware LoRA for Domain-Aligned Segmentation Dataset Generation"
- *CVPR 2026 (Work done during an internship at Qualcomm AI Research.)* [Paper]

[C8] Taewoong Kang*, Kinam Kim*, Dohyeon Kim*, **Minho Park**, Junha Hyung, Jaegul Choo "EgoX: Egocentric Video Generation from a Single Exocentric Video"
- *CVPR 2026* [Paper] [Code] [Project] [HF Models]

[C7] **Minho Park***, Kinam Kim*, Junha Hyung, Hyojin Jang, Hoiyeong Jin, Jooyeol Yun, Hojoon Lee, Jaegul Choo "ACG: Action Coherence Guidance for Flow-based Vision-Language-Action 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, 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, 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***, Jaegul Choo. "iColoriT: Towards Propagating Local Hint to the Right Region in Interactive Colorization by Leveraging Vision Transformer."

- *WACV 2023* [Paper] [Code] [Project]

Preprint

[P1] Kyungmin Lee*, Sibeen Kim*, **Minho Park**, Hyunseung Kim, Dongyoon Hwang, Hojoon Lee, Jaegul Choo "PHUMA: Physically-Grounded Humanoid Locomotion Dataset"

- *arXiv 2025 preprint* [Paper] [Code] [Project] [HF Datasets]

Work Experience

Qualcomm AI Research — **Seoul, Korea**
Research Intern — *Mar. 2024 - Aug. 2024*
- Advisor: Sungha Choi

Academic Activities

Conference reviewers: CVPR, ICCV, ICLR, NeurIPS, ICML, AAAI, 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 — **KAIST**
Associate Professor — *jchoo@kaist.ac.kr*

Sungha Choi — **Qualcomm AI Research**
Senior Staff AI Researcher — *sunghac@qti.qualcomm.com*