

# Minho Park

Gyeonggi-do, Republic of Korea

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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

Seoul, Korea

Mar. 2018 - Aug. 2021

### Gyeonggi Science High School for the Gifted

Suwon, Korea

Mar. 2015 - Feb. 2018

## Publications

### Conference Paper

- [C7] **Minho Park\***, Kinam Kim\*, Junha Hyung, Hyojin Jang, Hoiyeong 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, Dongyoon Hwang, Hojoon Lee, Jaegul Choo  
“ACG: Action Coherence Guidance for Flow-based VLA models”  
◦ *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”  
◦ *arXiv 2025 preprint* [Paper]

## Work Experience

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### Qualcomm AI Research

Research Intern

◦ Advisor: Sungha Choi

Seoul, Korea

Mar. 2024 - Aug. 2024

## Academic Activities

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**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

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**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

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

## Reference

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**Jaegul Choo**

Associate Professor

**Sungha Choi**

Senior Staff AI Researcher

**KAIST**

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**Qualcomm AI Research**

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