

# Byeongjun Park

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## Education

**Korea Advanced Institute of Science and Technology (KAIST)** Mar 2020 – Aug 2025

*Ph.D. in Electrical Engineering*

- GPA: 4.05/4.3
- Advisor: Changick Kim
- **Thesis:** Scalable Generative Modeling for Visual Content Creation

**Korea Advanced Institute of Science and Technology (KAIST)**

Mar 2015 – Feb 2020

*B.S. in Electrical Engineering*

- GPA: 3.75/4.3 (Graduated Cum Laude)

## Experience

**Research Scientist**, EverEx – Seoul, Korea (Mandatory Military Service) Aug 2025 – Present

- **3D/4D Generation:** Integrate video generative and scene reconstruction models to create plausible scenes.

**Research Intern**, Koh Young Technology – Seoul, Korea

Mar 2018 – Aug 2018

- **Smart Factory:** AI-based solution for optimizing the process of mounting chips on PCB boards.

## Publications

(C: conference, J: journal, P: preprint, \*: Equal Contribution)

[P5] **ReDirector: Creating Any-Length Video Retakes with Rotary Camera Encoding** *arXiv'25*

[Byeongjun Park](#), Byung-Hoon Kim, Hyungjin Chung, Jong Chul Ye

[P4] **Generating Human Motion Videos using a Cascaded Text-to-Video Framework** *arXiv'25*

Hyelin Nam, Hyojun Go, [Byeongjun Park](#), Byung-Hoon Kim, Hyungjin Chung

[P3] **Video Parallel Scaling: Aggregating Diverse Frame Subsets for VideoLLMs** *arXiv'25*

Hyungjin Chung, Hyelin Nam, Jiyeon Kim, Hyojun Go, [Byeongjun Park](#), Seongsu Ha, Byung-Hoon Kim

[C10] **VideoRFSplat: Direct Scene-Level Text-to-3D Gaussian Splatting Generation with Flexible Pose and Multi-View Joint Modeling** *ICCV'25*

Hyojun Go\*, [Byeongjun Park](#)\*, Hyelin Nam, Byung-Hoon Kim, Hyungjin Chung, Changick Kim

[C9] **SteerX: Creating Any Camera-Free 3D and 4D Scenes with Geometric Steering** *ICCV'25*

[Byeongjun Park](#)\*, Hyojun Go\*, Hyelin Nam, Byung-Hoon Kim, Hyungjin Chung, Changick Kim

[C8] **SplatFlow: Multi-View Rectified Flow Model for 3D Gaussian Splatting Synthesis** *CVPR'25*

Hyojun Go\*, [Byeongjun Park](#)\*, Jiho Jang, Jin-Young Kim, Soonwoo Kwon, Changick Kim

[C7] **Diffusion Model Patching via Mixture-of-Prompts** *AAAI'25*

Seokil Ham\*, Sangmin Woo\*, Jin-Young Kim, Hyojun Go, [Byeongjun Park](#), Changick Kim

[J1] **Bridging Implicit and Explicit Geometric Transformation for Single-Image View Synthesis** *TPAMI'24*

[Byeongjun Park](#)\*, Hyojun Go\*, Changick Kim

[C6] **Switch Diffusion Transformer: Synergizing Denoising Tasks with Sparse Mixture-of-Experts** *ECCV'24*

[Byeongjun Park](#), Hyojun Go, Jin-Young Kim, Sangmin Woo, Seokil Ham, Changick Kim

[C5] **HarmonyView: Harmonizing Consistency and Diversity in One-Image-to-3D** *CVPR'24*

Sangmin Woo\*, [Byeongjun Park](#)\*, Hyojun Go, Jin-Young Kim, Changick Kim

[C4] **Denoising Task Routing for Diffusion Models** *ICLR'24*

[Byeongjun Park](#)\*, Sangmin Woo\*, Hyojun Go\*, Jin-Young Kim\*, Changick Kim

<b>[C3] Point-DynRF: Point-based Dynamic Radiance Fields from a Monocular Video</b> Byeongjun Park, Changick Kim	WACV'24
<b>[P2] DiffRef3D: A Diffusion-based Proposal Refinement Framework for 3D Object Detection</b> Se-Ho Kim*, Inyong Koo*, Inyoung Lee, Byeongjun Park, Changick Kim	arXiv'23
<b>[P1] Balancing Domain Experts for Long-Tailed Camera-Trap Recognition</b> Byeongjun Park, Jeongsoo Kim, Seoungju Cho, Heeseon Kim, Changick Kim	arXiv'22
<b>[C2] Temporal Flow Mask Attention for Open-Set Long-Tailed Recognition of Wild Animals in Camera-Trap Images</b> Jeongsoo Kim, Sangmin Woo, Byeongjun Park, Changick Kim	ICIP'22
<b>[C1] Fine-Grained Multi-Class Object Counting</b> Hyojun Go, Junyoung Byun, Byeongjun Park, Changick Kim	ICIP'21

## US Patent

<b>Method and apparatus with scene flow estimation</b> Youngjun Kwak, Taekyung Kim, Changick Kim, Byeongjun Park, Changbeom Park	Mar 2025
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## Honors and Talks

<b>Finalist:</b> Qualcomm Innovation Fellowship (Korea)	Dec 2024
<b>Invited Talk:</b> Recent Trends in 3D Content Creation (ETRI)	Aug 2024
<b>Scholarship:</b> National Academic Excellence Scholarship (Korea)	Mar 2016 – Feb 2019