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 (Remote)　　　　　　Jan 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)

[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

[C3] Point-DynRF: Point-based Dynamic Radiance Fields from a Monocular Video　　　*WACV'24*
Byeongjun Park, Changick Kim

[P2] DiffRef3D: A Diffusion-based Proposal Refinement Framework for 3D Object Detection　　　*arXiv'23*
Se-Ho Kim*, Inyong Koo*, Inyoung Lee, Byeongjun Park, Changick Kim

[P1] Balancing Domain Experts for Long-Tailed Camera-Trap Recognition　　　*arXiv'22*
Byeongjun Park, Jeongsoo Kim, Seoungju Cho, Heeseon Kim, Changick Kim

[C2] Temporal Flow Mask Attention for Open-Set Long-Tailed Recognition of Wild Animals in Camera-Trap Images *ICIP'22*

Jeongsoo Kim, Sangmin Woo, Byeongjun Park, Changick Kim

[C1] Fine-Grained Multi-Class Object Couting *ICIP'21*

Hyojun Go, Junyoung Byun, Byeongjun Park, Changick Kim

US Patent

Method and apparatus with scene flow estimation *Mar 2025*

Youngjun Kwak, Taekyung Kim, Changick Kim, Byeongjun Park, Changbeom Park

Honars and Talks

Finalist: Qualcomm Innovation Fellowship (Korea) *Dec 2024*

Invited Talk: Recent Trends in 3D Content Creation (ETRI) *Aug 2024*

Scholarship: National Academic Excellence Scholarship (Korea) *Mar 2016 – Feb 2019*