# 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)

**[C12] ReDirector: Creating Any-Length Video Retakes with Rotary Camera Encoding**          *CVPR'26*
Byeongjun Park, Byung-Hoon Kim, Hyungjin Chung, Jong Chul Ye

**[C11] Video Parallel Scaling: Aggregating Diverse Frame Subsets for VideoLLMs**          *CVPR'26*
Hyungjin Chung, Hyelin Nam, Jiyeon Kim, Hyojun Go, Byeongjun Park, Seongsu Ha, Byung-Hoon Kim          *Findings*

**[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

**[P1] Generating Human Motion Videos using a Cascaded Text-to-Video Framework**          *arXiv'25*
Hyelin Nam, Hyojun Go, Byeongjun Park, Byung-Hoon Kim, Hyungjin Chung

**[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

**[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*