

# Byeongjun Park

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## Education

<b>Korea Advanced Institute of Science and Technology (KAIST)</b> <i>Ph.D. in Electrical Engineering</i>	Mar 2020 – Aug 2025
• GPA: 4.05/4.3 • Advisor: Changick Kim • <b>Thesis:</b> Scalable Generative Modeling for Visual Content Creation	
<b>Korea Advanced Institute of Science and Technology (KAIST)</b> <i>B.S. in Electrical Engineering</i>	Mar 2015 – Feb 2020
• GPA: 3.75/4.3 (Graduated Cum Laude)	

## Experience

<b>Research Scientist</b> , EverEx – Seoul, Korea (Mandatory Military Service)	Aug 2025 – Present
• <b>3D/4D Generation:</b> Integrate video generative and scene reconstruction models to create plausible scenes.	
<b>Research Intern</b> , Koh Young Technology – Seoul, Korea	Mar 2018 – Aug 2018
• <b>Smart Factory:</b> AI-based solution for optimizing the process of mounting chips on PCB boards.	

## Publications

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

<b>[P5] ReDirector: Creating Any-Length Video Retakes with Rotary Camera Encoding</b>	<i>arXiv'25</i>
Byeongjun Park, Byung-Hoon Kim, Hyungjin Chung, Jong Chul Ye	
<b>[P4] Generating Human Motion Videos using a Cascaded Text-to-Video Framework</b>	<i>arXiv'25</i>
Hyelin Nam, Hyojun Go, Byeongjun Park, Byung-Hoon Kim, Hyungjin Chung	
<b>[P3] Video Parallel Scaling: Aggregating Diverse Frame Subsets for VideoLLMs</b>	<i>arXiv'25</i>
Hyungjin Chung, Hyelin Nam, Jiyeon Kim, Hyojun Go, Byeongjun Park, Seongsu Ha, Byung-Hoon Kim	
<b>[C10] VideoRFSplat: Direct Scene-Level Text-to-3D Gaussian Splatting Generation with Flexible Pose and Multi-View Joint Modeling</b>	<i>ICCV'25</i>
Hyojun Go*, Byeongjun Park*, Hyelin Nam, Byung-Hoon Kim, Hyungjin Chung, Changick Kim	
<b>[C9] SteerX: Creating Any Camera-Free 3D and 4D Scenes with Geometric Steering</b>	<i>ICCV'25</i>
Byeongjun Park*, Hyojun Go*, Hyelin Nam, Byung-Hoon Kim, Hyungjin Chung, Changick Kim	
<b>[C8] SplatFlow: Multi-View Rectified Flow Model for 3D Gaussian Splatting Synthesis</b>	<i>CVPR'25</i>
Hyojun Go*, Byeongjun Park*, Jiho Jang, Jin-Young Kim, Soonwoo Kwon, Changick Kim	
<b>[C7] Diffusion Model Patching via Mixture-of-Prompts</b>	<i>AAAI'25</i>
Seokil Ham*, Sangmin Woo*, Jin-Young Kim, Hyojun Go, Byeongjun Park, Changick Kim	
<b>[J1] Bridging Implicit and Explicit Geometric Transformation for Single-Image View Synthesis</b>	<i>TPAMI'24</i>
Byeongjun Park*, Hyojun Go*, Changick Kim	
<b>[C6] Switch Diffusion Transformer: Synergizing Denoising Tasks with Sparse Mixture-of-Experts</b>	<i>ECCV'24</i>
Byeongjun Park, Hyojun Go, Jin-Young Kim, Sangmin Woo, Seokil Ham, Changick Kim	
<b>[C5] HarmonyView: Harmonizing Consistency and Diversity in One-Image-to-3D</b>	<i>CVPR'24</i>
Sangmin Woo*, Byeongjun Park*, Hyojun Go, Jin-Young Kim, Changick Kim	
<b>[C4] Denoising Task Routing for Diffusion Models</b>	<i>ICLR'24</i>
Byeongjun Park*, Sangmin Woo*, Hyojun Go*, Jin-Young Kim*, Changick Kim	

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

## US Patent

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

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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