Byeongjun **Park**

PH.D. CANDIDATE @ KAIST · COMPUTER VISION

291, Daehak-ro, Yuseong-gu, Daejeon, 34141, KOREA

pbj3810@kaist.ac.kr | byeongjun-park.github.io/ | byeongjun-park | Byeongjun Park

Education

KAIST (Korea Advanced Institute of Science and Technology) — *Daejeon, Korea*

INTEGRATED M.S. & PH.D. IN DEPARTMENT OF ELECTRICAL ENGINEERING — *Mar. 2020 - Present*

- Advisor: Changick Kim
- GPA: 4.05/4.3

KAIST (Korea Advanced Institute of Science and Technology) — *Daejeon, Korea*

B.S. IN DEPARTMENT OF ELECTRICAL ENGINEERING — *Mar. 2015 - Feb. 2020*

- Got a National Academic Excellence Scholarship (Science and Engineering, Korea)
- GPA: 3.75/4.3 - Cum Laude

Research Interest

Generative Models Novel View Synthesis, Diffusion Models, Neural Rendering

Publication

(C: conference, J: journal, *: Equal Contribution)

JOURNAL

[J1] Bridging Implicit and Explicit Geometric Transformation for Single-Image View Synthesis — *2024*

IEEE TRANSACTIONS ON PATTERN ANALYSIS AND MACHINE INTELLIGENCE (TPAMI)

Byeongjun Park*, Hyojun Go*, Changick Kim

CONFERENCE

[C6] Switch Diffusion Transformer: Synergizing Denoising Tasks with Sparse Mixture-of-Experts — *2024*

EUROPEAN CONFERENCE ON COMPUTER VISION (ECCV)

Byeongjun Park, Hyojun Go, Jinyoung Kim, Sangmin Woo, Seokil Ham, Changick Kim

[C5] HarmonyView: Harmonizing Consistency and Diversity in One-Image-to-3D — *2024*

IEEE/CVF COMPUTER VISION AND PATTERN RECOGNITION CONFERENCE (CVPR)

Sangmin Woo*, **Byeongjun Park***, Hyojun Go, Jinyoung Kim, Changick Kim

[C4] Denoising Task Routing for Diffusion Models — *2024*

INTERNATIONAL CONFERENCE ON LEARNING REPRESENTATIONS (ICLR)

Byeongjun Park*, Sangmin Woo*, Hyojun Go*, Jinyoung Kim*, Changick Kim

[C3] Point-DynRF: Point-based Dynamic Radiance Fields from a Monocular Video — *2024*

IEEE/CVF WINTER CONFERENCE ON APPLICATIONS OF COMPUTER VISION (WACV)

Byeongjun Park, Changick Kim

[C2] Temporal Flow Mask Attention for Open-Set Long-Tailed Recognition of Wild Animals in Camera-Trap Images — *2022*

IEEE INTERNATIONAL CONFERENCE ON IMAGE PROCESSING (ICIP)

Jeongsoo Kim, Sangmin Woo, **Byeongjun Park**, Changick Kim

[C1] Fine-Grained Multi-Class Object Counting — *2021*

IEEE INTERNATIONAL CONFERENCE ON IMAGE PROCESSING (ICIP)

Hyojun Go, Junyoung Byun, **Byeongjun Park**, Myung-Ae Choi, Seunghwa Yoo, Changick Kim

Patents

Method and apparatus with scene flow estimation *2022*

US Patent *US20220301190A1*

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

Work Experience

Koh Young Technology *Seoul, Korea*

AI Research Intern *Mar. 2018 - aug. 2018*

- I was a member of the research team working on an AI-based solution for optimizing the process of mounting chips on PCB boards.

Honors & Awards

2021 **Best Paper**, Samsung Best Paper Award in IEIE Autumn Annual Conference *Korea*