Junho Park

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Work Experience

Vision Intelligence Lab./LG Electronics | *AI Researcher* — Mar. 2024 – Present

- With project leader, *Ph. D. Jaechul Kim*, our team developed **Vision Foundation Model (VFM)**, which can simultaneously do **Object Detection, Panoptic Segmentation, Depth Estimation, Pose Estimation, Face Recognition, and Person Re-Identification**, with world-best performance.
- For the advanced driver assistance system (ADAS), we designed **a lightweight VFM for On-device**, and it is introduced in **CES 2025**.
- In addition, our team is now constructing diffusion model-based **Large-Scale Generative Datasets** for robust recognition in in-the-wild scenes.

Education

Sogang University — Feb. 2024
M.S., Electronic Engineering – Advisor: Prof. Suk-Ju Kang

Sogang University — Feb. 2022
B.S., Mathematics and Electronic Engineering (Double Major)

Publications

Selected Papers

[**ECCV 2024**] **Junho Park***, Kyeongbo Kong*, Suk-Ju Kang†. AttentionHand: Text-driven Controllable Hand Image Generation for 3D Hand Reconstruction in the Wild. **(Oral Presentation)**

[**ECCVW 2024**] Jihyun Kim*, **Junho Park***, Kyeongbo Kong*, Suk-Ju Kang†. Interactive 3D Room Generation for Virtual Reality via Compositional Programming. **(Oral Presentation)**

[**ECCVW 2024**] **Junho Park***, Yeieun Hwang*, Suk-Ju Kang†. Diffusion-based Interacting Hand Pose Transfer.

[**ICCVW 2023**] **Junho Park***, Kyeongbo Kong*, Suk-Ju Kang†. A Novel Framework for Generating In-the-Wild 3D Hand Datasets.

[**IEEE TMM**] Jihyun Kim*, **Junho Park***, Kyeongbo Kong*, Suk-Ju Kang†. Programmable-Room: Interactive Textured 3D Room Meshes Generation Empowered by Large Language Models.

[**IEEE TIM**] **Junho Park**, Yubin Cho, Yeieun Hwang, Ami Ma, QHwan Kim, Kyu-Baik Chang, Jaehoon Jeong, Suk-Ju Kang†. Mixup-based Neural Network for Image Restoration and Structure Prediction from SEM Images.

[**IEEE Access**] Joseph Kihoon Kim*, **Junho Park***, Yeon-Kug Moon†, Suk-Ju Kang†. Improving Gaze Tracking in Large Screens with Symmetric Gaze Angle Amplification and Optimization Technique.

Academic Services

Reviewer ICCV (2025–), IEEE TII (2024–), IEEE TCSVT (2025–)

Research Experience

University of Oxford, VGG (Collaboration) — Oct. 2024 – Present
Collaborated with Ph. D. Taein Kwon

Pusan National University, CVSP Lab (Collaboration) — Jul. 2023 – Feb. 2025
Collaborated with Prof. Kyeongbo Kong, co-authored four papers

Samsung Electronics (Collaboration) — Mar. 2023 – Feb. 2024
Collaborated with Computational Science & Engineering Team, co-authored one paper

Korea Electronics Technology Institute (KETI) (Collaboration) — Mar. 2022 – Feb. 2023
Collaborated with Data Fusion Platform Research Center, co-authored one paper

Sogang University, VDS Lab (Master Student) — Jan. 2022 – Feb. 2024
Advised by Prof. Suk-Ju Kang

Sogang University, ISDS Lab (Undergraduate Student) — Jul. 2021 – Dec. 2021
Advised by Prof. Myoung-Wan Koo, 1st place in AI Grand Challenge (link)