Juil Koo

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EDUCATION

Mar. 2023~ Present	**KAIST**, Daejeon, Korea Ph.D in School of Computing Advisor: Minhyuk Sung
Mar. 2021~ Feb. 2023	**KAIST**, Daejeon, Korea M.S. in School of Computing Advisor: Minhyuk Sung
Mar. 2017~ Feb. 2021	**Kyungpook National University**, Daegu, Korea B.S. in Electronics Engineering GPA: 4.26 / 4.3 (*ranked 1st out of 349*)

PUBLICATIONS

[1] PartGlot: Learning Shape Part Segmentation from Language Reference Games
Juil Koo, Ian Huang, Panos Achiloptas, Leonidas Guibas, Minhyuk Sung
CVPR 2022, *Accepted as **Oral** Presentation* (Acceptance rate<4.2%)
Project page: https://mhsung.github.io/publications/partglot

[2] SALAD: Part-Level Latent Diffusion for 3D Shape Generation and Manipulation
Juil Koo[*], Seungwoo Yoo[*], Minh Hieu Nguyen[*], Minhyuk Sung (* equal contribution.)
ICCV 2023
Project page: https://salad3d.github.io

[3] Posterior Distillation Sampling
Juil Koo, Chanho Park, Minhyuk Sung
CVPR 2024
Project page: https://posterior-distillation-sampling.github.io

[4] SyncTweedies: A General Generative Framework Based on Synchronized Diffusions
Jaihoon Kim[*], **Juil Koo**[*], Kyeongmin Yeo[*], Minhyuk Sung ([*] equal contribution.)
Preprint
Project page: https://synctweedies.github.io/

[5] Neural Pose Representation Learning for Generating and Transferring Non-Rigid Object Poses
Seungwoo Yoo, **Juil Koo**, Kyeongmin Yeo, Minhyuk Sung
Preprint

AWARDS AND HONORS

Outstanding TA Award KAIST, Korea	Feb. 2023
Outstanding Master's Thesis Award KAIST, Korea	Nov. 2022
Qualcomm Innovation Fellowship Korea 2022 Qualcomm, Korea	Nov. 2022
Outstanding Paper Award Korea Computer Graphics Society, Korea	Jul, 2022
Outstanding TA Award KAIST, Korea	Feb. 2022
2nd Prize SW Contest, Kyungpook National University, Korea	Dec. 2020
Honorable Mention Award Hanium Contest, Korea	Nov. 2019
Kwanjeong Scholarship Kwanjeong Educational Foundation, Korea	Mar. 2019
National & Technology Scholarship Korea Student Aid Foundation, Korea	Mar. 2017

PRESENTATION

AI for 3D Content Creation (AI3DCC) at ICCV 2023 Workshop	Sep. 2023
Language for 3D Scenes(L3DS) at ICCV 2023 Workshop	Sep. 2023
Language for 3D Scenes(L3DS) at ECCV 2022 Workshop	Oct. 2022

TEACHING

Teaching Assistant

Machine Learning for 3D Data KAIST CS479	2023 Fall
Introduction to Computer Graphics KAIST CS380	2023 Spring
Geometric Modeling and Processing KAIST CS492-J	2022 Fall
Machine Learning for 3D Data KAIST CS492-A	2022 Spring
Geometric Modeling and Processing KAIST CS492-H	2021 Fall

ACADEMIC SERVICE

- GCV Workshop @ CVPR 2024 Reviewer
- ECCV 2024 Reviewer
- CVPR 2024 Reviewer
- Eurographics 2024 Reviewer
- AAAI 2024 Reviewer
- ICCV 2023 Reviewer
- CVPR 2023 Reviewer

RESEARCH INTERESTS

- Fundamentals and Applications of Diffusion Models
- 3D Vision
- Vision and Language Multi-Modality