

Seungwoo Yoo

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ACADEMIC INTERESTS

3D Machine Learning, Diffusion Models, Neural Rendering, Physically Based Rendering

EDUCATION

Korea Advanced Institute of Science and Technology (KAIST)	2023 -
M.S. in Computer Science	Advisor: Minhyuk Sung
Korea Advanced Institute of Science and Technology (KAIST)	2019 - 2023
B.S. in Computer Science (Major) & Electrical Engineering (Minor)	
<i>Summa Cum Laude</i> (GPA: 4.01 / 4.3)	

WORK EXPERIENCE

Geometric AI Lab, School of Computing, KAIST	Jun 2021 - Aug 2023
Undergraduate Intern	Advisor: Minhyuk Sung

PUBLICATIONS

- [As-Plausible-As-Possible: Semantic-Aware Shape Deformation using 2D Diffusion Priors](#)
Seungwoo Yoo*, Kunho Kim*, Vladimir G. Kim, Minhyuk Sung (* denotes equal contribution.)
arXiv 2023
- [SALAD: Part-Level Latent Diffusion for 3D Shape Generation and Manipulation](#)
Juil Koo*, **Seungwoo Yoo***, Minh Hieu Nguyen*, Minhyuk Sung (* denotes equal contribution.)
ICCV 2023

TEACHING EXPERIENCE

CS580: Computer Graphics	School of Computing, KAIST
Course Assistant	Spring 2024
URP490: Undergraduate Research Participation Program	School of Computing, KAIST
Graduate Assistant	Spring 2024
CS479: Machine Learning for 3D Data	School of Computing, KAIST
Course Assistant	Fall 2023
CS380: Introduction to Computer Graphics	School of Computing, KAIST
Course Assistant	Spring 2023
CS492(A): Machine Learning for 3D Data	School of Computing, KAIST
Course Assistant	Spring 2022

SCHOLARSHIPS AND ACHIEVEMENTS

Presidential Science Scholarship	
Korea Student Aid Foundation (KOSAF)	2019 - 2022
CoE Leadership Award	
College of Engineering, KAIST	Spring 2023
Grand Prix (1st place), Undergraduate Research Participation (URP) Program	
Associate Vice President of Research, KAIST	Winter/Spring 2022
Dean's List	
College of Engineering, KAIST	Spring 2020, Fall 2020, Fall 2021
Department Honors Scholarship	
College of Engineering, KAIST	Fall 2020

SKILLS

Programming Languages	C, C++, Python
Deep Learning Frameworks	PyTorch
Languages	Korean (Native), English (Fluent)