

Seungwoo Yoo

 DeveloperY0115 |  Seungwoo Yoo |  Website |  dreamy1534@gmail.com

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

KAIST Visual AI Group, 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

ACADEMIC SERVICE

Pacific Graphics 2023	
Student Delegate	Fall 2023

SKILLS

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