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)

WORK EXPERIENCE

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

PUBLICATIONS

1. **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

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 Scholarship
Korea Student Aid Foundation (KOSAF)   2019 - 2022

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

Merit-Based Scholarship
College of Engineering, KAIST   Fall 2020

Skills

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