

Seungwoo Yoo

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

ACADEMIC INTERESTS

3D Machine Learning, Geometry Processing, Diffusion Models, Neural 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)
Summa Cum Laude (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

- [Neural Pose Representation Learning for Generating and Transferring Non-Rigid Object Poses](#)
Seungwoo Yoo, Juil Koo, Kyeongmin Yeo, Minhyuk Sung
arXiv 2024
- [As-Plausible-As-Possible: Plausibility-Aware Mesh Deformation Using 2D Diffusion Priors](#)
Seungwoo Yoo*, Kunho Kim*, Vladimir G. Kim, Minhyuk Sung (* denotes equal contribution.)
CVPR 2024
- [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

CS492(D): Diffusion Models and Their Applications School of Computing, KAIST
Course Assistant Fall 2024

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

Graduate Presidential Science Scholarship
Korea Student Aid Foundation (KOSAF) 2024 - Present

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)