

# Seungwoo Yoo

 DveloperY0115 |  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

---

[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

---

Reviewer	
NeurIPS 2024	
Pacific Graphics 2023	
Student Delegate	Fall 2023

## SKILLS

---

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