

# Seungwoo Yoo

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

## ACADEMIC INTERESTS

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3D Machine Learning, Geometry Processing, Diffusion Models, Neural Rendering

## EDUCATION

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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

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KAIST Visual AI Group, School of Computing, KAIST Jun 2021 - Aug 2023  
Undergraduate Intern Advisor: [Minhyuk Sung](#)

## PUBLICATIONS

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- [Neural Pose Representation Learning for Generating and Transferring Non-Rigid Object Poses](#)  
**Seungwoo Yoo**, Juil Koo, Kyeongmin Yeo, Minhyuk Sung  
*NeurIPS 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

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

## SCHOLARSHIPS AND ACHIEVEMENTS

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

National Presidential Science Scholarship		
Korea Student Aid Foundation (KOSAF)		2019 - 2022
Outstanding TA Award		
School of Computing, KAIST		Spring 2024
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
Reviewer		
IEEE Transactions on Multimedia		2024
AISTATS		2025
Eurographics		2025

## SKILLS

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