

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

<a href="#">Presidential Science Scholarship</a> Korea Student Aid Foundation (KOSAF)	2019 - 2022
Outstanding TA Award School of Computing, KAIST	Spring 2024
<a href="#">CoE Leadership Award</a> College of Engineering, KAIST	Spring 2023
<a href="#">Grand Prix (1st place), Undergraduate Research Participation (URP) Program</a> Associate Vice President of Research, KAIST	Winter/Spring 2022
<a href="#">Dean's List</a> College of Engineering, KAIST	Spring 2020, Fall 2020, Fall 2021
<a href="#">Department Honors Scholarship</a> College of Engineering, KAIST	Fall 2020

## ACADEMIC SERVICE

<a href="#">Pacific Graphics 2023</a> Student Delegate	Fall 2023
Reviewer <a href="#">IEEE Transactions on Multimedia</a>	

## SKILLS

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