

# 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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|----------------------------------------------------------------------------|-------------------------------------------|
| CS479: Machine Learning for 3D Data<br>Course Assistant                    | School of Computing, KAIST<br>Spring 2025 |
| CS492(D): Diffusion Models and Their Applications<br>Course Assistant      | School of Computing, KAIST<br>Fall 2024   |
| CS580: Computer Graphics<br>Course Assistant                               | School of Computing, KAIST<br>Spring 2024 |
| URP490: Undergraduate Research Participation Program<br>Graduate Assistant | School of Computing, KAIST<br>Spring 2024 |
| CS479: Machine Learning for 3D Data<br>Course Assistant                    | School of Computing, KAIST<br>Fall 2023   |
| CS380: Introduction to Computer Graphics<br>Course Assistant               | School of Computing, KAIST<br>Spring 2023 |
| CS492(A): Machine Learning for 3D Data<br>Course Assistant                 | School of Computing, KAIST<br>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 Thesis Award                                                   |                                   |
| School of Computing, KAIST                                                 | 2025                              |
| 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

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|                                 |           |
|---------------------------------|-----------|
| Pacific Graphics 2023           |           |
| Student Delegate                | Fall 2023 |
| Reviewer                        |           |
| SIGGRAPH                        | 2025      |
| Eurographics                    | 2025      |
| IEEE Transactions on Multimedia | 2024      |

## SKILLS

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