

# Jiye Lee

Ph.D. Student  
Department of Computer Science and Engineering  
Seoul National University

Email: [kay2353@snu.ac.kr](mailto:kay2353@snu.ac.kr), Web: [jiyewise.github.io](http://jiyewise.github.io), Google Scholar: [Link](#)

## EDUCATION

<b>Seoul National University</b> M.S./Ph.D. in Computer Science and Engineering Advisor: <a href="#">Hanbyul Joo</a>	<i>Sep 2021 – Current</i>
<b>Seoul National University</b> College of Liberal Studies B.S. in Computer Science and Engineering & B.S. in Chemistry, <i>Cum Laude</i>	<i>Mar 2017 – Aug 2021</i>

## PUBLICATIONS

[Mocap Everyone Everywhere: Lightweight Motion Capture With Smartwatches and a Head-Mounted Camera](#)  
**Jiye Lee**, Hanbyul Joo  
IEEE Conference on Computer Vision and Pattern Recognition (CVPR), 2024.

[Locomotion-Action-Manipulation: Synthesizing Human-Scene Interactions in Complex 3D Environments](#)  
**Jiye Lee**, Hanbyul Joo  
International Conference on Computer Vision (ICCV), 2023.

[Learning Virtual Chimeras by Dynamic Motion Reassembly](#)  
Seyoung Lee, **Jiye Lee**, Jehee Lee  
ACM Transactions on Graphics (SIGGRAPH Asia), 2022.

## EXPERIENCES

<b>SNU Movement Research Lab</b> , South Korea Undergraduate Research Intern (until Aug 2021) & Research Assistant Advisor: Prof. Jehee Lee Project: <i>Physics-Based Character Control via Reinforcement Learning</i>	<i>Jul 2020 – May 2022</i>
<b>SNU NMR Methods Group</b> , South Korea Undergraduate Research Intern Advisor: Prof. Jung Ho Lee (Dept. of Chemistry) Project: <i>IDP Dynamics Analysis via Multidimensional NMR</i>	<i>Dec 2018 – Jun 2020</i>

## AWARDS & HONORS

<b>Dean's Award (Valedictorian)</b> College of Liberal Studies, Seoul National University	2021
<b>Outstanding Research in SNU Undergraduate Research Program, 3rd Place (President's Award)</b> Seoul National University	2020
<b>Outstanding Undergraduate Research, 2nd Place</b> Department of Chemistry, Seoul National University	2019
<b>Undergraduate Research Grant</b> Faculty of Liberal Education, Seoul National University	2019

## TALKS

**Locomotion-Action-Manipulation: Synthesizing Human-Scene Interactions in Complex 3D Environments**  
NCSOFT, South Korea (hosted by Prof. Jehee Lee) *Dec 2023*

## PATENTS

Full body human motion capture system with smartwatches (Patent No. 1020230195272)  
**Jiye Lee**, Hanbyul Joo

## TEACHING

**Teaching Assistant**, Seoul National University *Spring 2023-2024, Fall 2022-2023*  
Theories and Lab of VR/AR (M2177.007800)  
Head TA during Fall 2023

**Teaching Assistant**, Seoul National University *Fall 2022*  
Artificial Intelligence (4190.408) (Instructor: Prof. Hanbyul Joo)

**Undergraduate Teaching Assistant**, Seoul National University *Spring 2021*  
Data Structure (M1522.000900) (Instructor: Prof. Byung Ro Moon)

## SKILLS

**Language:** Korean (native), English (full proficiency), Mandarin Chinese (intermediate), Japanese (conversational)

**Programming Language:** Python, C/C++, JAVA, JavaScript

**Framework:** PyTorch, NumPy, OpenGL

**Adobe:** Photoshop, Illustrator, Premiere Pro

**3D:** Autodesk 3Ds MotionBuilder, Blender

**Web:** HTML/CSS, WordPress, React, D3, Flask