JUNHO LEE

◇ https://twjhlee.github.io ◇ twjhlee@snu.ac.kr

EDUCATION

Seoul National University   *2020 - Current*
Ph.D. Electrical and Computer Engineering
Advised by Prof. Young Min Kim

Seoul National University   *2017 - 2020*
B.S. Electrical and Computer Engineering

RESEARCH INTERESTS

- 3D Reconstruction
- Neural Radiance Fields
- Robotic Grasping
- 3D Vision

PUBLICATIONS

NFL: Normal Field Learning for 6-DoF Grasping of Transparent Objects
Junho Lee, Sangmin Kim, Yonghyeon Lee, Young Min Kim
IEEE Robotics and Automation Letters (RA-L), 2023.

MasKGrasp: Mask-based Grasping for Scenes with Multiple General Real-world Objects
Junho Lee, Junhwa Hur, Inwoo Hwang, Young Min Kim
IEEE/RSJ International Conference on Intelligent Robots and Systems (IROS), 2022.

Gatsbi: Generative agent-centric spatio-temporal object interaction
Cheoulhui Min, Jinseok Bae, **Junho Lee**, Young Min Kim
IEEE/CVF Conference on Computer Vision and Pattern Recognition (CVPR), 2021 (Oral).

PATENTS

10-2596914   2023

AWARDS & HONORS

- Tutor Award by SNU College of Engineering   2021

PROJECTS

- Bachelor thesis: Using demonstrations from VR integrated robot control systems to alleviate sparse reward setting for RL(2020).

TEACHING EXPERIENCES

- TA, Linear Algebra for Electrical Systems   Fall 2021
   Instructor: Young Min Kim

- TA, Linear Algebra for Electrical Systems   Fall 2022
   Instructor: Young Min Kim

IT SKILLS

- Programming Languages: Python, C++, MATLAB, LaTeX
- Libraries: PyTorch, Numpy, Nvidia IsaacSim, Blender
- Platforms: Linux, Mac OS, Windows
- Hardware: Panda Franka Emika, HTC Vive, Realsense
- Server: System administrator for server(48 GPUs)

LANGUAGES

- Korean (native)
- English (native)