

# JUNHO LEE

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## EDUCATION

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**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

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

## PUBLICATIONS

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**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

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10-2596914

2023

## AWARDS & HONORS

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- Tutor Award by SNU College of Engineering

2021

## PROJECTS

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

## TEACHING EXPERIENCES

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- 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

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- 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

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- Korean (native)
- English (native)