Junsung Park

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Education

KAIST, Ph.D. Candidate in Artificial Intelligence, Adsived by Prof. Hyunjung Shim	2023 – **Now**
Korea University, BS in Mechanical Engineering & Artificial Intelligence	2017 – 2023

Publications

No Thing, Nothing: Highlighting Safety-Critical Classes for Robust LiDAR Semantic Segmentation. — CVPR, 2025

Junsung Park, Hwijeong Lee, Inha Kang, Hyunjung Shim

Rethinking Data Augmentation for Robust LiDAR Semantic Segmentation in Adverse Weather. $[Arxiv]$ $[Github]$ — ECCV, Oral, 2024

Junsung Park, Kyungmin Kim, Hyunjung Shim

Precision Matters: Precision-aware Ensemble for Weakly Supervised Semantic Segmentation. $[Arxiv]$ $[Github]$ — AAAI Workshop, 2024

Junsung Park, Hyunjung Shim

Patents

Barbell with Built-in Weight Fixing Device. — 2021

- Korea Patent Number: 10-2021-0092158

Projects

Open Manipulator Grasping Task : Vision for Robot Arm Control. — 2022

- Undergraduate Project. Developed vision modules for robot arm grasping task. Estimate 3D grasping position by FCN segmentation models and pinhole camera model.

Mobile Robot Project. — 2021

- Undergraduate Project. ROS1 programming and embedded motor control on OpenCM board.

Capstone Design Projects for 'Stair Treads Wheels'. — 2018

- Undergraduate Project. Designed wheels for going upstairs. Developed wheel rotation control. Bronze prize.

Awards and Honors

Scholarship from Lee Myungbak & Kim Yoonok Foundation.	2022-2023
Scholarship from Korea University Alumni Association.	2021-2023
Bronze Prize & Social Contribution Prize	2018

- from Korea Univ. Innovation Center for Engineering, Capstone Design Project.