MINGYU SHIN

DGIST, Daegu — alsrb4446@dgist.ac.kr — (+82) 10-4446-2309 — mingyushin.github.io

EDUCATION

DGIST, Daegu, Korea   Aug 2022 — Present
M.S., Interdisciplinary Studies of Artificial Intelligence   Adivisor: Prof. Sunghoon Im

Yeungnam University, Gyeongsan, Korea   Mar 2016 — Aug 2022
B.S., Mathematics and Computer Engineering   Overall GPA: 3.9 — Major GPA: 4.21/4.5

RESEARCH INTERESTS

Computer Vision and Deep Learning (3D Object Detection, Multi-task Learning, 3D Human Reconstruction)
Applications - Autonomous driving, AR/VR

PUBLICATIONS

Wonhyeok Choi*, **Mingyu Shin***, Hyukzae Lee, Jaehoon Cho, Jaehyeon Park, and Sunghoon Im, "Multi-task Learning for Real-time Autonomous Driving Leveraging Task-wise Attention Generator", *International Conference on Robotics and Automation* (**ICRA**), 2024, Under Review

Wonhyeok Choi*, **Mingyu Shin***, and Sunghoon Im, "Depth-discriminative Metric Learning for Monocular 3D Object Detection", *Neural Information Processing Systems* (**NeurIPS**), 2023

Junuk Cha, Muhammad Saqlain, GeonU Kim, **Mingyu Shin**, and Seungryul Baek, "Multi-Person 3D Pose and Shape Estimation via Inverse Kinematics and Refinement", *European Conference on Computer Vision*, (**ECCV**), 2022

WORK EXPERIENCE

Research Intern, Ulsan National Institute of Science and Technology, Korea   Jan 2022 — June 2022

Undergraduate Intern, Yeungnam University, Korea   Aug 2021 — Dec 2021

Developer (filed placement), MNVision, Korea.   July 2020 — Aug 2020

AWARDS

Top prize, Autonomous driving AI algorithm development competition, Ministry of Land, Infrastructure and Transport, Korea, Oct 2023

Finals, 2023 AI Competition, Hyundai Motor Group ● KIA CTO, Aug 2023

CERTIFICATES

Engineer Information Processing

SKILLS

Python, Pytorch