

CONTACT INFORMATION	DGIST (Daegu Gyeongbuk Institute of Science and Technology) Dept. Electrical Engineering and Computer Science (EECS) E3-319, Techno jungang-daero 333, Hyeonpung-eup, Dalseong-gun, Daegu, Republic of Korea, 42988	Tel.: +82-10-2997-2903 E-mail: smu06117@dgist.ac.kr h.p.: https://wonhyeok-choi.github.io/
RESEARCH INTERESTS	Computer Vision (3D perception tasks, Scene Understanding) Deep Learning (Multi-task Learning, Meta Learning, Dynamic Neural Networks) Applications - Autonomous driving, AR/VR	
EDUCATION	M.S. - Ph.D. Integrated Course in Electrical Engineering & Computer Sciences (EECS), DGIST, South Korea Bachelor of Convergence Science, DGIST, South Korea	Mar. 2022 – Advisor: Prof. Sunghoon Im Mar. 2018 – Feb. 2022
PUBLICATIONS	<p>Wonhyeok Choi*, Mingyu Shin*, Hyukzae Lee, Jaehoon Cho, Jaehyeon Park, Sunghoon Im. “Multi-task Learning for Real-time Autonomous Driving leveraging Task-wise Attention Generator”, IEEE International Conference on Robotics and Automation (ICRA), Under Review.</p> <p>Wonhyeok Choi*, Mingyu Shin*, Sunghoon Im. “Depth-discriminative Metric Learning for Monocular 3D Object Detection”, Neural Information Processing Systems (NeurIPS), Dec 2023.</p> <p>Wonhyeok Choi, Sunghoon Im. “Dynamic Neural Network for Multi-Task Learning Searching across Diverse Network Topologies”, IEEE/CVF Conference on Computer Vision and Pattern Recognition (CVPR), Jun 2023.</p> <p>Seunghun Lee, Wonhyeok Choi, Changjae Kim, Minwoo Choi, Sunghoon Im. “ADAS: A Direct Adaptation Strategy for Multi-Target Domain Adaptive Semantic Segmentation”, IEEE/CVF Conference on Computer Vision and Pattern Recognition (CVPR), Jun 2022.</p>	
ACADEMIC ACTIVITIES	Reviewer <ul style="list-style-type: none">IEEE Conference on Computer Vision and Pattern Recognition (CVPR) 2023 –IEEE International Conference on Computer Vision (ICCV) 2023 –IEEE International Conference on Robotics and Automation (ICRA) 2024 – Awards <ul style="list-style-type: none">Grand Prize, Autonomous Driving AI Development Challenge, — Ministry of Land, Infrastructure and Transport Oct. 2023Participation Prize, 28th HumanTech Paper Award, — Samsung Electronics Co., Ltd. Feb. 2022	
SKILLS	Languages: Python, C, C++, C# Theory: Type theory, Operation systems, Data structures, and Computer algorithms. Development: Pytorch, HTML, CSS	