SEUNGHWAN LEE

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EDUCATION

M.S. in Immersive Media Engineering   Mar 2024 – Feb 2026
Sungkyunkwan University, Seoul, South Korea, GPA: 4.5/4.5
Advised by Professor Sungeun Hong

B.S. in Information and Communication Engineering   Mar 2017 - Feb 2024
Inha University, Incheon, South Korea, GPA: 3.75/4.5; Major GPA: 3.89/4.5

PUBLICATIONS

C01 Y Kim*, **S Lee***, A Jung*, B Ryu, S Hong. (*: equal contributions), "Task Vector Quantization for Memory-Efficient Model Merging", International Conference on Computer Vision (**ICCV 2025**) [PDF]

J01 H Lee, **S Lee***, I Jung*, S Hong. (*: equal contributions), "Prototypical class-wise test-time adaptation", Pattern Recognition Letters, 2025. [PDF]

PREPRINTS & ONGOING RESEARCH

P02 A Jung, **S Lee**, D Han, S Hong. "SyMerge: From Non-Interference to Synergistic Merging via Single-Layer Adaptation", Under Review at International Conference on Machine Learning (ICML 2026) [PDF]

P01 **S Lee***, I Jung*, H Lee, E Park, S Hong. (*: equal contributions), "Instance-Aware Test-Time Segmentation for Continual Domain Shifts", Under Review [PDF]

PROJECT

M.S. Students Fellowship by National Research Foundation of Korea (NRF)   Sep 2024 - Aug 2025

· Served as Principal Investigator(PI), independently drafted the project proposal and executed the research
· Conducted research on occlusion and missing modalities in autonomous-driving vision systems

HONORS AND AWARDS

3rd Place, Infrared Instance Segmentation Challenge at ICRA 2025   May 2025

Outstanding Paper Award at IPIU 2025   Feb 2025

Excellence Award, Capstone Design at Inha University   Dec 2023

PATENTS

System and Method for Ultra-Low-Precision Model Merging Based on Task Vector Decomposition   2025
Republic of Korea, 10-2025-0176483 (Applications)

Apparatus and Method for Test-Time Adaptation of an Image Learning Model   2024
Republic of Korea, 10-2024-0168645 (Applications)

TEACHING EXPERIENCE

Generative Deep Learning (CNT3070), Sungkyunkwan University   Fall 2025