

Hyundong Jin

Curriculum Vitae

Seoul, South Korea — wlsgusehd@gmail.com — Personal Website

EDUCATION

Chung-Ang University, Seoul, Korea

Ph.D. Computer Science and Engineering

- Mar. 2022 to Feb. 2026
- Thesis Title: Knowledge Association and Differentiation for Efficient Continual Learning
- Advisor: Prof. Eunwoo Kim

M.S. Computer Science and Engineering

- Mar. 2020 to Feb. 2022
- Thesis Title: Continual Learning without Negative Interference in a Deep Neural Network
- Advisor: Prof. Eunwoo Kim

B.S. Electrical and Electronics Engineering

- Mar. 2015 to Feb. 2020
- Capstone Design: Face Recognition-based Dashcam for Vehicle Security

RESEARCH OBJECTIVE

Research expertise in *continual learning*, enabling scalable knowledge retention and adaptive capabilities by mitigating task interference across diverse domains and modalities. Explore research directions including *multimodal learning*, *resource-efficient learning*, and *multimodal large language models*, ultimately aiming toward Artificial General Intelligence (AGI).

PUBLICATIONS

Conference Publications

- Heayoun Choi, **Hyundong Jin**, and Eunwoo Kim, “XIL: Cross-Expanding Incremental Learning”, International Conference on Learning Representations (**ICLR**), 2026.
- **Hyundong Jin**, Hyung Jin Chang, and Eunwoo Kim, “Instruction-Grounded Visual Projectors for Continual Learning of Generative Vision-Language Models”, IEEE International Conference on Computer Vision (**ICCV**), 2025.
- **Hyundong Jin**, Gyeong-Hyeon Kim, Chanho Ahn, and Eunwoo Kim, “Growing a Brain with Sparsity-Inducing Generation for Continual Learning”, IEEE International Conference on Computer Vision (**ICCV**), 2023.
- **Hyundong Jin** and Eunwoo Kim, “Helpful or Harmful: Inter-Task Association in Continual Learning”, European Conference on Computer Vision (**ECCV**), 2022.

Journal Publications

- Kiseong Hong, **Hyundong Jin**, Sungho Suh, and Eunwoo Kim, “Exploration and Exploitation in Continual Learning”, Neural Networks (**NN**), 2025.
- **Hyundong Jin** and Eunwoo Kim, “Dataset Condensation with Coarse-to-Fine Regularization”, Pattern Recognition Letters, 2025
- Sujin Choi*, **Hyundong Jin***, and Eunwoo Kim, “Task-Aware Dynamic Model Optimization for Multi-Task Learning”, IEEE Access, 2023. (* denotes for equal contribution)
- **Hyundong Jin**, Kimin Yoon, and Eunwoo Kim, “Gating Mechanism in Deep Neural Networks for Resource-Efficient Continual Learning”, IEEE Access, 2022.

Ongoing works

- **Hyundong Jin**, Dongyo Han and Eunwoo Kim, “Which Concepts to Forget and How to Refuse? Decomposing Concepts for Continual Unlearning in Large Vision-Language Models”, TBD.

- **Hyundong Jin** and Eunwoo Kim, “Mind the Interference: Towards Robust Continual Learning Across Modalities”, TBD.
- Gyeong-Hyeon Kim, **Hyundong Jin**, Dongyoon Han, and Eunwoo Kim, “Action-incremental Learning for Temporal Action Segmentation”, TBD.

PATENTS

- **Hyundong Jin** and Eunwoo Kim, “Apparatus and Method for Continuous Learning of Neural Networks”, Republic of Korea. 10-2023-0156623
- **Hyundong Jin** and Eunwoo Kim, “A Neural Network Apparatus and Neural Network Learning Method for Performing Continuous Learning Using a Correlation Analysis Algorithm Between Tasks”, Republic of Korea. 10-2022-0101187

RESEARCH PROJECT EXPERIENCES

Multi-Modal Continual Learning with Context Understanding.	2023 to 2026
<ul style="list-style-type: none"> • This project develops a continual learning method that exploits multi-modal inputs to learn tasks of various domains while comprehending their respective contexts. • Funded by National Research Foundation. 	
Time-Series Action Prediction and Segmentation.	2024
<ul style="list-style-type: none"> • This project aims to develop high-performing deep learning models to learn and segment time-series actions for various equipments. • Funded by HD Hyundai Construction Equipment. 	
Learning Transferable Task Knowledge and Planner for Service Robots.	2023
<ul style="list-style-type: none"> • This project aims to develop an object-oriented framework to learn transferable knowledge and task hierarchy for task planning of a robot. • Funded by Samsung Research Funding & Incubation Center. 	
Development of AI for Self-Improving Competency-Aware Learning.	2022 to 2024
<ul style="list-style-type: none"> • This project develops an algorithm that explores optimal models and parameters of prerequisite learning tasks suitable for new learning situations. • Funded by IITP. 	
Automated Deep Learning Technology for Multi-Task Learning.	2020 to 2023
<ul style="list-style-type: none"> • This project aims to develop versatile deep learning approaches to perform multiple tasks on devices of limited capacity while avoiding task interference and model redundancy. • Funded by National Research Foundation. 	

AWARDS and HONORS

- | | |
|--|------|
| • Grand Prize, Big Data Utilization Contest. Doosan Enerbility. | 2023 |
| • Excellence Prize, Big Data Utilization Contest. HD Hyundai XiteSolution. | 2023 |

INVITED TALKS

- | | |
|--|------|
| • AhnLab, Continual learning session. | 2023 |
| • Korean Computer Vision Society (KCVS), Continual Learning session. | 2023 |
| • Korean Artificial Intelligence Association (KAIA) and NAVER, CV / NLP session. | 2022 |

TEACHING EXPERIENCES

Teaching Assistant (TA)	
<ul style="list-style-type: none"> • Machine Learning, Chung-Ang University. • Advanced Artificial Intelligence, Chung-Ang University. • Capstone Design, Chung-Ang University. • Algorithms, Chung-Ang University. 	
Visual Intelligence and it's Applications	
<ul style="list-style-type: none"> • Electronics and Telecommunications Research Institute (ETRI). 	2020

ACADEMIC SERVICES

Conference Reviewer

- Computer Vision and Pattern Recognition (CVPR)
- International Conference on Computer Vision (ICCV)
- European Conference on Computer Vision (ECCV)
- The Association for the Advancement of Artificial Intelligence (AAAI)
- International Conference on Learning Representations (ICLR)
- Winter Conference on Applications of Computer Vision (WACV)

Journal Reviewer

- Transactions on Neural Networks and Learning Systems (TNNLS)