

Hyundong Jin

Curriculum Vitae

Seoul, South Korea — wlsfusehd@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

- **Hyundong Jin**, Dongyoon Han and Eunwoo Kim, “Which Concepts to Forget and How to Refuse? Decomposing Concepts for Continual Unlearning in Large Vision-Language Models”, IEEE/CVF Conference on Computer Vision and Pattern Recognition (**CVPR**), 2026.
- 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** 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
- 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
- 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
- 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
- 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
- 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)
- Machine Learning, Chung-Ang University. 2024
 - Advanced Artificial Intelligence, Chung-Ang University. 2023
 - Capstone Design, Chung-Ang University. 2021
 - Algorithms, Chung-Ang University. 2020
- Visual Intelligence and it's Applications
- 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)
- British Machine Vision Conference (BMVC)

Journal Reviewer

- Transactions on Neural Networks and Learning Systems (TNNLS)