Hyundong Jin · Ph.D Student · Seoul, South Korea · **jude0316@cau.ac.kr**

Hyundong Jin | Resume

- Current Status: Ph.D. Student in Computer Science and Engineering, Chung-Ang University, Seoul, South Korea
- Research Interest: Continual Learning, Multimodal Learning, Large Models (VLM or MLLMs), Resource-Efficient Learning
- Contact Infomation: `jude0316@cau.ac.kr` · github.com/Jin0316

Research Goal

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 multi-modal learning, resource-efficient learning, and large vision-language models, ultimately aiming toward Artificial General Intelligence (AGI).

Education

2022 – present — **Ph.D. in Computer Science and Engineering** — Chung-Ang University, Seoul
- Advisor: Prof. Eunwoo Kim

2020 – 2022 — **M.S. in Computer Science and Engineering** — Chung-Ang University, Seoul
- Advisor: Prof. Eunwoo Kim
- Thesis: Continual Learning without Negative Interference in a Deep Neural Network

2015 - 2020 — **B.S. in Electrical and Electronics Engineering** — Chung-Ang University, Seoul
- Capstone Project: Face Recognition-based Dashcam for Vehicle Security

Conference Publications

ICCV 2025 — **Instruction-Grounded Visual Projectors for Continual Learning of Generative Vision-Language Models**
- *Hyundong Jin*, Hyung Jin Chang, and Eunwoo Kim

ICCV 2023 — **Growing a Brain with Sparsity-Inducing Generation for Continual Learning**
- *Hyundong Jin*, Gyeong-Hyeon Kim, Chanho Ahn, and Eunwoo Kim

ECCV 2022 — **Helpful or Harmful: Inter-Task Association in Continual Learning**
- *Hyundong Jin* and Eunwoo Kim

Ongoing Projects

Ongoing — **Which Concepts to Forget and How to Refuse? Decomposing Concepts for Continual Unlearning in Large Vision-Language Models**
- *Hyundong Jin* and Eunwoo Kim

Submitted — **Mind the Interference: Towards Robust Continual Learning Across Modalities**
- *Hyundong Jin* and Eunwoo Kim

Submitted — **Action-incremental Learning for Temporal Action Segmentation**
- Gyeong-Hyeon Kim, *Hyundong Jin*, Dongyoon Han, and Eunwoo Kim

Submitted — **XIL: Cross-Expanding Incremental Learning**
- Heayoun Choi, *Hyundong Jin*, and Eunwoo Kim

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Journal Publications

NN 2025 — **Exploration and Exploitation in Continual Learning**
- Kiseong Hong, *Hyundong Jin*, Sungho Suh, and Eunwoo Kim

PRL 2025 — **Dataset Condensation with Coarse-to-Fine Regularization**
- *Hyundong Jin* and Eunwoo Kim

IEEE Access 2023 — **Task-Aware Dynamic Model Optimization for Multi-Task Learning**
- Sujin Choi*, *Hyundong Jin**, and Eunwoo Kim (∗ denotes for equal contribution)

IEEE Access 2022 — **Gating Mechanism in Deep Neural Networks for Resource-Efficient Continual Learning**
- *Hyundong Jin*, Kimin Yoon and Eunwoo Kim

Awards

2023 — **Grand Prize, Big Data Utilization Contest**
- by Doosan Enerbility

2023 — **Excellence Prize, Big Data Utilization Contest**
- by HD Hyundai XiteSolution

Patents

2024 — **Apparatus and Method for Continuous Learning of Neural Networks**
- Hyundong Jin and Eunwoo Kim
- Republic of Korea. 10-2023-0156623

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

Project Experiences

2023 - present — **Multi-Modal Continual Learning with Context Understanding**
- Funded by National Research Foundation

2024 — **Time-Series Action Prediction and Segmentation**
- Funded by HD Hyundai Construction Equipment

2023 — **Learning Transferable Task Knowledge and Planner for Service Robots**
- Funded by Samsung Research Funding & Incubation Center

2022-2024 — **Development of AI for Self-Improving Competency-Aware Learning**
- Funded by IITP

2020-2023 — **Automated Deep Learning Technology for Multi-Task Learning**
- Funded by National Research Foundation

Invited Talks

2023 — **AhnLab**
- Continual Learning session

Invited Talks (continued)

2023 — **Korean Computer Vision Society (KCVS)**

- Continual Learning session

2022 — **Korean Artificial Intelligence Association (KAIA) and NAVER**

- CV / NLP session

Teaching Experiences

2020-2024 — **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

2020 — **Visual Intelligence and it's Applications**

- in Electronics and Telecommunications Research Institute (ETRI)

Academic Services

Reviewer — **Conference Reviewer**

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

Reviewer — **Journal Reviewer**

- Transactions on Neural Networks and Learning Systems (TNNLS)