Curriculum Vitæ

Hyundong Jin
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Research Interests

Machine learning, Deep learning, Computer vision
Continual Learning, Multimodal Learning, Resource-Efficient Learning

Education

Chung-Ang University — Seoul, South Korea
Ph.D. of Computer Science Engineering (advisor: Eunwoo Kim) — *Mar. 2022 – present*

Chung-Ang University — Seoul, South Korea
Master of Computer Science Engineering (advisor: Eunwoo Kim) — *Mar. 2020 – Feb. 2022*

Chung-Ang University — Seoul, South Korea
Bachelor of Electrical and Electronics Engineering — *Mar. 2015 – Feb. 2020*

International Conference

[1] **Hyundong Jin**, Gyeong-Hyeon Kim, Chanho Ahn, and Eunwoo Kim, "Growing a Brain with Sparsity-Inducing Generation for Continual Learning", In Proc. of the IEEE International Conference on Computer Vision (**ICCV**), Oct. 2023.
[2] **Hyundong Jin**, and Eunwoo Kim, "Helpful or Harmful: Inter-Task Association in Continual Learning", In Proc. of the European Conference on Computer Vision (**ECCV**), Oct. 2022.

International Journal

[1] Kiseong Hong, **Hyundong Jin**, Sungho Suh, and Eunwoo Kim, "Exploration and Exploitation in Continual Learning", **Neural Networks**, Aug. 2025.
[2] **Hyundong Jin**, and Eunwoo Kim, "Dataset condensation with coarse-to-fine regularization", **Pattern Recognition Letters**, Feb. 2025.
[3] Sujin Choi*, **Hyundong Jin***, and Eunwoo Kim, "Task-Aware Dynamic Model Optimization for Multi-Task Learning", **IEEE Access**, Dec. 2023 (* denotes for euqal contribution).
[4] **Hyundong Jin**, Kimin Yoon and Eunwoo Kim, "Gating Mechanism in Deep Neural Networks for Resource-Efficient Continual Learning", **IEEE Access**, Jan. 2022.

Awards

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

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

Patents

Apparatus and Method for Continuous Learning of Neural Networks — 2024
- Republic of Korea. 10-2023-0156623

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

Project Experiences

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

Multi-Modal Continual Learning with Context Understanding 2024 - present
- Funded by National Research Foundation.

Learning Transferable Task Knowledge and Planner for Service Robots 2021 - 2023
- Funded by Samsung Research Funding & Incubation Center.

Development of AI for Self-Improving Competency-Aware Learning 2020 - present
- Funded by IITP.

Automated Deep Learning Technology for Multi-Task Learning 2020 - 2022
- Funded by National Research Foundation.

Invited Talks

2023 AhnLab 2023.09.25
- Continual Learning session

2023 Korean Computer Vision Society (KCVS) 2023.02.24
- Continual Learning session

2022 Korean Artificial Intelligence Association (KAIA) and NAVER 2022.11.18
- CV / NLP session

Teaching Experiences

Machine Learning (Teaching Assistant) 2024
- in Chung-Ang University

Advanced Artificial Intelligence (Teaching Assistant) 2023
- in Chung-Ang University

Capstone Design (Teaching Assistant) 2021
- in Chung-Ang University

Visual Intelligence and it's Applications 2020
- in Electronics and Telecommunications Research Institute (ETRI)

Algorithms (Teaching Assistant) 2020
- in Chung-Ang University

Academic Services

Conference Reviewer
- Computer Vision and Pattern Recognition (CVPR)
- International Conference on Computer Vision (ICCV)

Journal Reviewer
- Transactions on Neural Networks and Learning Systems (TNNLS)