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] Sujin Choi*, **Hyundong Jin***, and Eunwoo Kim, "Task-Aware Dynamic Model Optimization for Multi-Task Learning", **IEEE Access**, Dec. 2023 (* denotes for euqal contribution).
[2] **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

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 Experimences

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 Experiments

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