

# Curriculum Vitæ

Hyundong Jin

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## Research Interests

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

## Education

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<b>Chung-Ang University</b> <i>Ph.D. of Computer Science Engineering (advisor: Eunwoo Kim)</i>	Seoul, South Korea <i>Mar. 2022 – present</i>
<b>Chung-Ang University</b> <i>Master of Computer Science Engineering (advisor: Eunwoo Kim)</i>	Seoul, South Korea <i>Mar. 2020 – Feb. 2022</i>
<b>Chung-Ang University</b> <i>Bachelor of Electrical and Electronics Engineering</i>	Seoul, South Korea <i>Mar. 2015 – Feb. 2020</i>

## International Conference

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- [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

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- [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

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<b>Grand Prize, Big Data Utilization Contest</b> • by Doosan Enerbility	2023
<b>Excellence Prize, Big Data Utilization Contest</b> • by HD Hyundai XiteSolution	2023

## Patents

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<b>A Neural Network Apparatus and Neural Network Learning Method for Performing Continuous Learning Using a Correlation Analysis Algorithm Between Tasks</b> • Republic of Korea. 10-2022-0101187	2023
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## Project Experiences

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<b>Time-Series Action Prediction and Segmentation</b> • Funded by HD Hyundai Construction Equipment.	2024 - present
<b>Multi-Modal Continual Learning with Context Understanding</b> • Funded by National Research Foundation.	2024 - present
<b>Learning Transferable Task Knowledge and Planner for Service Robots</b> • Funded by Samsung Research Funding & Incubation Center.	2021 - 2023
<b>Development of AI for Self-Improving Competency-Aware Learning</b>	2020 - present

- Funded by IITP.

## **Automated Deep Learning Technology for Multi-Task Learning**

2020 - 2022

- Funded by National Research Foundation.

## **Invited Talks**

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<b>2023 AhnLab</b>	2023.09.25
• Continual Learning session	
<b>2023 Korean Computer Vision Society (KCVS)</b>	2023.02.24
• Continual Learning session	
<b>2022 Korean Artificial Intelligence Association (KAIA) and NAVER</b>	2022.11.18
• CV / NLP session	

## **Teaching Experiences**

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<b>Machine Learning (Teaching Assistant)</b>	2024
• in Chung-Ang University	
<b>Advanced Artificial Intelligence (Teaching Assistant)</b>	2023
• in Chung-Ang University	
<b>Capstone Design (Teaching Assistant)</b>	2021
• in Chung-Ang University	
<b>Visual Intelligence and it's Applications</b>	2020
• in Electronics and Telecommunications Research Institute (ETRI)	
<b>Algorithms (Teaching Assistant)</b>	2020
• in Chung-Ang University	