Minhyuk Seo

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Master's Student in Vision and Learning Laboratory @ Yonsei University, South Korea
Areas of expertise: Continual Learning, Embodied AI, Federated Learning, Multi-Modal Learning

EDUCATION

MS in Computer Science, Yonsei University, Seoul, Korea   Mar 2023 — Aug 2024 (Early graduation)
   Advisor: Jonghyun Choi
   GPA: 4.3 / 4.3

BS in Computer Science, Yonsei University, Seoul, Korea   Mar 2017 — Feb 2023
   2 years of absence due to obligatory military service (2018 - 2020)
   GPA: 4.16 / 4.3 (Ranked **2nd** in Dept. of Computer Science)

Daejeon Dongsin Science High School, Dajeon, Korea   Mar 2014 — Feb 2017

RESEARCH

KU Leuven, Leuven, Belgium   Fed 2025 (Expected) — Aug 2025 (Expected)
Visiting Scholar

- Supervisor: Tinne Tuytelaars.

Seoul National University, Seoul, Korea   Sep 2024 — Jan 2024 (Expected)
Researcher @ SNU Machine Perception and Reasoning Lab

- Supervisor: Jonghyun Choi.

LG AI Research, Seoul, Korea   Feb 2023 — Aug 2023
Research Intern @ Advanced Machine Learnig Lab

- Mentor: Hankook Lee.

Yonsei University, Seoul, Yonsei University, Korea   Feb 2022 — Jan 2023
Research Undergraduate Intern @ Vision and Learning Lab

- Supervisor: Jonghyun Choi.

Yonsei University, Seoul, Yonsei University, Korea   Feb 2021 — Jan 2022
Research Undergraduate Intern @ Mobile and Embedded System Lab

- Supervisor: Hojung Cha.

PUBLICATIONS

1. **Minhyuk Seo***, Hyunseo Koh*, and Jonghyun Choi. A paper about continual learning with adaptive layer freezing. **Under Review**.

2. **Minhyuk Seo**, Diganta Misra, Seongwon Cho, Minjae Lee and Jonghyun Choi. Just Say the Name: Online Continual Learning with Category Names Only via Data Generation. **arXiv**.

3. **Minhyuk Seo**, Hyunseo Koh, Wonje Jeung, Minjae Lee, San Kim, Hankook Lee, Sungjun Cho, Sungik Choi, Hyunwoo Kim and Jonghyun Choi. Learning Equi-angular Representations for Online Continual Learning. **CoLLAs 2024 Workshop, CVPR 2024**.

4. **Minhyuk Seo***, Byeonghwi Kim* and Jonghyun Choi. Online Continual Learning for Interactive Instruction Following Agents. **CoLLAs 2024 Workshop, ICLR 2024**.

5. Hyunseo Koh, **Minhyuk Seo** , Jihwan Bang, Hwanjun Song, Deokki Hong, Seulki Park, Jung-Woo Ha, and Jonghyun Choi. Online Boundary-free Continual Learning by Scheduled Data Prior. **ICLR 2023**.

(* Indicates equal contribution)

AWARDS & HONORS

Outstanding Research Paper Award in Graduate School, Yonsei University	July 2024
2st Place Award, CVPR 2024 Workshop on Continual Learning in Computer Vision	May 2024
1st Place Award, ICCV 2023 Visual Continual Learning Challenge	Oct 2023
Best Capstone Design Award in Dept. of Computer Science, Yonsei University	Dec 2022
1st place in the HANIUM ICT competition, Minister of Science, ICT and Future Planning Award	Feb 2019
Multiple Honors & Scholarships from Yonsei University	2017 - 2023

Scholarships

2023   **Kwanjeong Educational Foundation Scholarship for Graduate Student**   Mar 2023 — Aug 2024
Full tuition and living expenses during undergraduate years - 6 million won / semester

2023   **Yonsei Bachelor & Master Program Scholarship** (Select two students from the department each year)   Mar 2023 — Aug 2024
Full tuition during undergraduate years - 6.5 million won / semester

2021   **Kwanjeong Educational Foundation Scholarship for Bachelor's program**   Mar 2021 — Feb 2023
Full tuition and living expenses during undergraduate years - 5.5 million won / semester

2021   **Sejong Human resources and Lifelong Education Development Foundation**   Jul 2021 — Dec 2021
2 million won

Talks

Naver Labs, Seongnam, Republic of Korea   Sep 2024
- Recent Research on Continual Learning

Apple Research, Seattle, USA   Jun 2024
- Practical Set-ups and Methods for Continual Learning

Technical Skills

Advanced	Python, Java	3 years
Intermediate	C++, R	1 year
Basic	MATLAB, HTML, CSS, JS	6 months
Frameworks	PyTorch	2 years

Academic Service

Reviewers of
- CVPR, ICLR, AISTATS, TPAMI, NeurIPS, CoRL @ LLHomeRobots2024, NeurIPS Benchmark Track   2024

Military Service

Repulic of Korea Army 20th, Yangpyeong, Korea   Mar 2018 - Nov 2019