SEONGWOONG CHO

M.S. Student
Few-shot Learning & Meta-Learning

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Education

M.S. in Computer Science — Mar 2022 – Feb 2025
Korea Advanced Institute of Science and Technology (KAIST) — *South Korea*
- Advisor: Prof. Seunghoon Hong
- Research focus: Deep learning algorithms for few-shot generalists.
- GPA 3.8/4.3

B.S. in Computer Science — Mar 2017 – Feb 2022
Korea Advanced Institute of Science and Technology (KAIST) — *South Korea*
- GPA 3.96/4.3 **(Magna Cum Laude)**

Publications

(P: preprint, C: conference, J: journal, W: workshop, *: equal contribution)

[C4] **Meta-Controller: Few-Shot Imitation of Unseen Embodiments and Tasks in Continuous Control**
Seongwoong Cho*, Donggyun Kim*, Jinwoo Lee, Seunghoon Hong
NeurIPS 2024

[C3] **Chameleon: A Data-Efficient Generalist for Dense Visual Prediction in the Wild**
Donggyun Kim, Seongwoong Cho, Chong Luo, Seunghoon Hong
ECCV 2024 **(Oral Presentation)**

[C2] **Universal Few-shot Learning of Dense Prediction Tasks with Visual Token Matching**
Donggyun Kim, Jinwoo Kim, Seongwoong Cho, Chong Luo, Seunghoon Hong
ICLR 2023 **(Outstanding Paper Award)**

[C1] **Multi-task Neural processes**
Donggyun Kim, Seongwoong Cho, Wonkwang Lee, Seunghoon Hong
ICLR 2022

Work Experience

Waddle Inc. — Jul. 2020 – Dec. 2020
AI Developer — *South Korea*
- Developed a ML model for detecting and predicting attributes from fashion and interior images.

Pavilion Inc. — 2019 – 2020
Cofounder, AI Developer — *South Korea*
- Developed a ML model for converting speech signals into ElectroGlottoGraphy (EGG) signal.

NCSOFT ASR Group — Dec. 2018 – Feb. 2019
Internship — *South Korea*

Honors & Awards

ICLR Outstanding Paper Award — 2023
International Conference on Learning Representations (ICLR)
- As a coauthor of Visual Token Matching (ICLR 2023) [C6].

Samsung Humantech Paper Award Silver Prize ($7,000) — 2023
Samsung Electronics Co., Ltd.
- As a coauthor of Visual Token Matching (ICLR 2023) [C6].

Winner of Multi-modal Emotional Recognition Competition (MERC) — 2020
KAIST-Qualcomm Innovation Awards
- 2nd place winner

NIPA AI Online Competition — 2020
NIPA
- 17th place / 400 teams (2nd place on COVID CT image classification, 3rd place on plant pest classification, 3rd place on plant pest classification for lightweight model)

NIPA AIStarthon Competition 2019
NIPA
• 16th place / 200 teams (2nd place on food image classification, 3rd place on food image retrieval)

Winner of Speech Emotional Recognition Competition 2019
KAIST-Qualcomm Innovation Awards
• 1st place winner

E*5 KAIST Development Award 2019
Korea Advanced Institute of Science and Technology (KAIST)
• 4th place winner

KAIST Dean's List 2017 – 2020
Korea Advanced Institute of Science and Technology (KAIST)
• Awarded for outstanding academic performance 2 times (spring 2017, fall 2020).

References

Prof. Seunghoon Hong, Associate Professor at KAIST seunghoon.hong@kaist.ac.kr