# SEONGWOONG CHO

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

seongwoongcho.github.io
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## Education

**M.S. in Computer Science**      Mar 2022 – present
*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 to 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*
• 1st place winner

**NIPA AI Online Competition**      2019
*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