

HUIWON JANG

Github: <https://github.com/huiwon-jang>

Homepage: <https://huiwon-jang.github.io>

E-mail: huiwoen0516@kaist.ac.kr

RESEARCH INTERESTS

- Self-Supervised Learning
- Meta-Learning

EDUCATION

Mar. 2023 – Present	Korea Advanced Institute of Science and Technology (KAIST), Daejeon, Korea M.S. in Artificial Intelligence Advisor: Prof. Jinwoo Shin
Mar. 2019 – Feb. 2023	Korea Advanced Institute of Science and Technology (KAIST), Daejeon, Korea B.S. in Mathematical Science & Computer Science (Double Major)

PUBLICATIONS

C: Conference, **P**: Preprint, *: Equal contribution

[C2] Modality-agnostic Self-supervised Learning with Meta-learned Masked Auto-encoder

Huiwon Jang*, Jihoon Tack*, Daewon Choi, Jongheon Jeong, Jinwoo Shin

- Conference on Neural Information Processing Systems (**NeurIPS**), 2023

[C1] Unsupervised Meta-learning via Few-shot Pseudo-supervised Contrastive Learning

Huiwon Jang*, Hankook Lee*, Jinwoo Shin

- International Conference on Learning Representations (**ICLR**), *Spotlight presentation*, 2023
- Neural Information Processing Systems Workshop on Meta-Learning (**NeurIPSW-MetaLearn**), 2022

[P1] AltUB: Alternating Training Method to Update Base Distribution of Normalizing Flow for Anomaly Detection

Yeongmin Kim*, Huiwon Jang*, DongKeon Lee, Ho-Jin Choi

- Arxiv preprint, 2022

EXPERIENCES

Research Intern

i-SENS, CGMS Algorithm Team

Seoul, Korea

Oct. 2022 – Present

- Time-series regression, and forecasting
- Self-supervised learning for time-series

Undergraduate Research Intern

Algorithmic Intelligence Laboratory (ALIN-LAB), KAIST AI.

Daejeon, Korea

Jun. 2021 – Feb. 2023

Advisor: [Prof. Jinwoo Shin](#)

- Unsupervised meta-learning via self-supervised learning for few-shot image classification ([C1])

AWARDS & HONORS

Travel Awards , NeurIPS 2023	Dec. 2023
Travel Awards , ICLR 2023 (\$1,000)	May. 2023
Travel Awards , Google Conference Scholarships (APAC) (\$3,000)	May. 2023

INVITED TALKS

Modality-agnostic Self-supervised Learning with Meta-learned Masked Auto-encoder

Samsung AI Forum (SAIF) 2023

Suwon, Korea. Nov. 2023

Samsung Advanced Institute of Technology (SAIT)

Suwon, Korea. Jun. 2023

Unsupervised Meta-learning via Few-shot Pseudo-supervised Contrastive Learning

International Conference on Learning Representations (ICLR)

Kigali, Rwanda. May. 2023