

HUIWON JANG

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

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RESEARCH INTERESTS

- Video generation
- Self-Supervised Learning
- Meta-Learning

EDUCATION

Mar. 2023 – Present Korea Advanced Institute of Science and Technology (KAIST), Daejeon, Korea
PhD 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

[C3] Visual Representation Learning with Stochastic Frame Prediction

Huiwon Jang, Dongyoung Kim, Junsu Kim, Jinwoo Shin, Pieter Abbeel, Younggyo Seo

- International Conference on Machine Learning (ICML), 2024

[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 – Oct. 2023

- 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