Woo Kyung Kim

Email: kwk2696@g.skku.edu
Website: https://kwk2696.github.io

EDUCATION

SungKyunKwan University   Gyeonggi-do, Korea
Ph.D in Computer Science and Engineering   *Sep. 2022 – Current*
- Major GPA:4.15/4.5
- Advisor: Prof. Honguk Woo

SungKyunKwan University   Gyeonggi-do, Korea
Master of Computer Science and Engineering   *Mar. 2021 – Aug. 2022*
- Major GPA:4.5/4.5
- Advisor: Prof. Honguk Woo

SungKyunKwan University   Gyeonggi-do, Korea
Bachelor of Computer Science and Engineering   *Mar. 2017 – Feb. 2021*
- Major GPA:4.41/4.5, Total GPA:4.26/4.5

Korean Minjok Leadership Academy   Gangwon-do, Korea
High School   *Mar. 2014 – Feb 2017*

PUBLICATIONS

[**c.8**] In-context Policy Adaptation via Cross-domain Skill Diffusion
Minjong Yoo, **Woo Kyung Kim**, Honguk Woo
AAAI Conference on Artificial Intelligence (AAAI), 2025

[**c.7**] LLM-based Skill Diffusion for Zero-shot Policy Adaptation
Woo Kyung Kim, Youngseok Lee, Jooyoung Kim, Honguk Woo
Conference on Neural Information Processing Systems (NeurIPS), 2024

[**c.6**] Incremental Learning of Retrievable Skills for Efficient Continual Task Adaptation
Daehee Lee, Minjong Yoo, **Woo Kyung Kim**, Wonje Choi, Honguk Woo
Conference on Neural Information Processing Systems (NeurIPS), 2024

[**c.5**] Pareto Inverse Reinforcement Learning for Diverse Expert Policy Generation
Woo Kyung Kim, Minjong Yoo, Honguk Woo
International Joint Conference on Artificial Intelligence (IJCAI), 2024

[**c.4**] Embodied CoT Distillation From LLM to Off-the-shelf Agents
Wonje Choi, **Woo Kyung Kim**, Minjong Yoo, Honguk Woo
International Conference on Machine Learning (ICML), 2024

[**c.3**] Robust Policy Learning via Offline Skill Diffusion
Woo Kyung Kim, Minjong Yoo, Honguk Woo
AAAI Conference on Artificial Intelligence (AAAI), 2024

[**c.2**] Efficient Policy Adaptation with Contrastive Prompt Ensemble for Embodied Agents
Wonje Choi, **Woo Kyung Kim**, SeungHyun Kim, Honguk Woo
Conference on Neural Information Processing Systems (NeurIPS), 2023

[**c.1**] One-shot Imitation in a Non-Stationary Environment via Multi-Modal Skill
Sangwoo Shin, Daehee Lee, Minjong Yoo, **Woo Kyung Kim**, Honguk Woo
International Conference on Machine Learning (ICML), 2023

[**j.1**] Repot: Transferable Reinforcement Learning for Quality-Centric Networked Monitoring in Various Environments
Youngseok Lee, **Woo Kyung Kim**, Sung Hyun Choi, Ikjun Yeom, Honguk Woo
IEEE Access, vol. 9, pp. 147280-147294, 2021

EXTRACURRICULAR ACTIVITIES

Student Ambassador   March. 2017 – Aug. 2018
President
- Promoted the computer science and engineering department to high school students through naionwide tours.

Skills & Interests

Language: Korean (native), English (Fluent), Mandarin Chinese (intermediate)

Research Interests: Skill-based Reinforcement Learning, Diffusion Model, Embodied Agent