

Hyunseung Kim

Homepage: <https://mysng.com>

Email: mysng@kaist.ac.kr

GitHub: <https://github.com/mysng/>

RESEARCH INTERESTS My primary research objective is to develop intelligent agents that are capable of autonomously acquiring knowledge and meaningful behaviors through interactions within the environment. I am currently addressing this challenge by integrating unsupervised reinforcement learning algorithms with prior data to improve learning efficiency and ensure alignment with human intentions.

EDUCATION **M.S. / Ph.D. in Artificial Intelligence,** Mar. 2021 - Present
Korea Advanced Institute of Science and Technology (KAIST), Seongnam, Korea
Advisor: Prof. Jaegul Choo
B.S. in Computer Science, Mar.2015 - Feb.2021
Korea University, Seoul, Korea

PUBLICATIONS * denotes equal contribution

Conferences

- [1] Do's and Don'ts: Learning Desirable Skills with Instruction Videos
Hyunseung Kim, Byungkun Lee, Hojoon Lee, Dongyoon Hwang, Donghu Kim, Jaegul Choo
Preprint, Under review
- [2] Slow and Steady Wins the Race: Maintaining Plasticity with Hare and Tortoise Networks
Hojoon Lee, Hyeonseo Cho, **Hyunseung Kim**, Donghu Kim, Dugki Min, Jaegul Choo, Clare Lyle
International Conference on Machine Learning (ICML), 2024
- [3] A Simple Convolution Injector for Vision Transformer: Towards Effective Adaptation in Visuo-Motor Control
Dongyoon Hwang*, Byungkun Lee*, Hojoon Lee, **Hyunseung Kim**, Jaegul Choo
International Conference on Machine Learning (ICML), 2024
- [4] Learning to Discover Skills through Guidance
Hyunseung Kim*, Byungkun Lee*, Hojoon Lee, Dongyoon Hwang, Sejik Park, Kyusik Min, Jaegul Choo
Conference on Neural Information Processing Systems (NeurIPS), 2023
- [5] Enhancing Input and Label Plasticity for Sample Efficient Reinforcement Learning
Hojoon Lee*, Hanseul Cho*, **Hyunseung Kim***, Daehoon Gwak, Joonkee Kim, Jaegul Choo, Se-Young Yun, Chulhee Yun
Conference on Neural Information Processing Systems (NeurIPS), 2023
- [6] DraftRec: Personalized Draft Recommendation for Winning in MOBA Games
Hojoon Lee*, Dongyoon Hwang *, **Hyunseung Kim**, Byungkun Lee, Jaegul Choo
Conference on World Wide Web (WWW), 2022