Sangwoo Shin

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EDUCATION

03/2015~	Sungkyunkwan University	Suwon, South Korea	
08/2022	B.S in Mathematics (<i>Summa Cum Laude</i>) Selected courses: Probability Theory(A+), Advanced Linear Algebra(A+), Real analysis(A+),		
	Algebraic Topology(A+), Differential Geometry(A+)		
08/2022 ~ 08/2024	Sungkyunkwan University M.S in Computer Science and Engineering	Suwon, South Korea	

PUBLICATIONS

I changed my name from Sangwoo Cho to Sangwoo Shin.

Advisor: Honguk Woo

*: Equal Contribution

- Semantic Skill Grounding for Embodied Instruction-Following in Cross-Domain Environments Sangwoo Shin*, SeungHyun Kim*, Youngsoo Jang, Moontae Lee, Honguk Woo Association for Computational Linguistics (ACL) Findings, 2024
- SemTra: A Semantic Skill Translator for Cross-domain Zero-shot Policy Adaptation Sangwoo Shin, Minjong Yoo, Jeongwoo Lee, Honguk Woo AAAI Conference on Artificial Intelligence (AAAI), 2024
- 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
- Skills Regularized Task Decomposition for Multi-task Offline Reinforcement Learning Minjong Yoo, Sangwoo Cho, Honguk Woo Neural Information Processing Systems (NeurIPS), 2022 (Oral Presentation)
- An Efficient Combinatorial Optimization Model Using Learning-to-Rank Distillation Hyunsung Lee*, Sangwoo Cho*, Honguk Woo AAAI Conference on Artificial Intelligence (AAAI), 2022 (Oral Presentation)
- Differentiable Ranking Metric Using Relaxed Sorting for Top-K Recommendation Hyunsung Lee, Sangwoo Cho, Yeongjae Jang, Jaekwang Kim, Honguk Woo *IEEE Access, 2021*
- A Global DAG Task Scheduler Using Deep Reinforcement Learning and Graph Convolution Network Hyunsung Lee, Sangwoo Cho, Yeongjae Jang, Jinkyu Lee, Honguk Woo *IEEE Access*, 2021

WORK EXPERIENCES

1.	LG AI Research	
	Advisor: Moontae Lee, Youngsoo Jang	Oct. 2023 ~ Jan. 2024

• Controllable LLMs with Multi-Objective RLHF

RESEARCH EXPERIENCES

1.	Undergraduate Research Students	Aug. 2020 ~ Dec.2020	
	Understanding of Algebraic Geometry Advisor: Sukmoon Huh		
	Topics: Zariski topology, Tensor, Riemann mapping theorem, etc.		
2.	Undergraduate Research Students		
	Partial Differential Equations and Artificial Intelligence Advisor: Seok-Bae Yun	Dec.2020 ~ Mar.2021	
	Topics: Cybenko's universal approximation theorem, etc.		
TEACH	HING		

 1. Private Tutoring
 Jan. 2020 ~ June. 2020

 Linear Algebra (Textbook: Linear Algebra Done Right – Sheldon Axler)
 Topics: Nil-potent, Jordan canonical form, Diagonalization, Similarity of linear operators, etc

SCHOLARSHIPS

2022 ~ 2023	Full-Funded Scholarship
2021	Han-Gill Scholarship
2019 Fall	National Academic Excellence Scholarship