

Gaon An

✉ white0234@mllab.snu.ac.kr | 🏠 Homepage | 📄 GitHub | 🎓 Google Scholar

Education

Seoul National University

M.S./Ph.D. in Computer Science

Sep. 2019 - Present

Seoul National University

B.A. in Economics

- Summa Cum Laude
- Minor in Computer Science

Mar. 2013 - Aug. 2019

Experience

DeepMetrics

Head of Research

- Working on developing an reinforcement learning model for ICU mechanical ventilation recommendation.

Jun. 2022 - Present

Optimization and Financial Engineering Lab, Seoul National University

Research Intern

- Worked on implementing and optimizing genetic algorithms.

Dec. 2017 - Feb. 2018

Publications

Direct Preference-based Policy Optimization without Reward Modeling

Gaon An*, Junhyeok Lee*, Xingdong Zuo, Norio Kosaka, Kyung-Min Kim, and Hyun Oh Song

NeurIPS 2023

Preemptive Image Robustification for Protecting Users against Man-in-the-Middle Adversarial Attacks

Seungyong Moon*, Gaon An*, and Hyun Oh Song

AAAI 2022

Optimal channel selection with discrete QCQP

Yeonwoo Jeong*, Deokjae Lee*, Gaon An, Changyong Son, and Hyun Oh Song

AISTATS 2022

Uncertainty-Based Offline Reinforcement Learning with Diversified Q-Ensemble

Gaon An*, Seungyong Moon*, Jang-Hyun Kim, and Hyun Oh Song

NeurIPS 2021

Parsimonious Black-Box Adversarial Attacks via Efficient Combinatorial Optimization

Seungyong Moon*, Gaon An*, and Hyun Oh Song

ICML 2019 (long talk)

Honors & Awards

Qualcomm Innovation Fellowship

2024

NeurIPS Top Reviewers

2022

Qualcomm Innovation Fellowship Finalist

2020, 2022

Academic Services

Conference Reviewer

ICML (2021-), NeurIPS (2021-), ICLR (2022-)

Program Chair Committee

NeurIPS Workshop on ImageNet Past, Present, Future (2021)

Teaching

Teaching Assistant

Engineering Mathematics 2 (2020)

Teaching Assistant

Introduction to Deep Learning (2019, 2022)

Talks

SNU AI Retreat	Direct Preference-based Policy Optimization without Reward Modeling (2023)
SNU AI Retreat	Uncertainty-Based Offline Reinforcement Learning with Diversified Q-Ensemble (2022)
LG Tech Talk	Uncertainty-Based Offline Reinforcement Learning with Diversified Q-Ensemble (2022)
CJ Logistics Tech Talk	Uncertainty-Based Offline Reinforcement Learning with Diversified Q-Ensemble (2022)

Skills

Programming Languages and Frameworks

- Advanced: Python, PyTorch, Jax, Tensorflow, Scikit-learn, Latex
- Intermediate: C++

Languages

- Native: Korean
- Fluent: English