



Gaon An.



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🌐 <https://dssrgu.github.io>

Education

- Sep 2019 – Present  **M.S./Ph.D. in Computer Science, Seoul National University.**
- Mar 2013 – Aug 2019  **B.A. in Economics, Seoul National University.**
Summa Cum Laude
Minor in Computer science.

Experience



- Jun 2022 – Sep 2022,
Dec 2023 – Present  **Head of Research** DeepMetrics.
Working on developing an automatic mechanical ventilator controller via reinforcement learning.
- Dec 2017 – Feb 2018  **Research Intern**, Optimization and Financial engineering lab, SNU.
Worked on implementing and optimizing genetic algorithms.

Publications

- 1** **Gaon An***, Junhyeok Lee*, Xingdong Zuo, Norio Kosaka, Kyung-Min Kim, and Hyun Oh Song
Direct Preference-based Policy Optimization without Reward Modeling
NeurIPS 2023.
- 2** Seungyong Moon*, **Gaon An***, and Hyun Oh Song
Preemptive Image Robustification for Protecting Users against Man-in-the-Middle Adversarial Attacks
AAAI 2022.
- 3** Yeonwoo Jeong*, Deokjae Lee*, **Gaon An**, Changyong Son, and Hyun Oh Song
Optimal channel selection with discrete QCQP
AISTATS 2022.
- 4** **Gaon An***, Seungyong Moon*, Jang-Hyun Kim, and Hyun Oh Song
Uncertainty-Based Offline Reinforcement Learning with Diversified Q-Ensemble
NeurIPS 2021.
- 5** Seungyong Moon*, **Gaon An***, and Hyun Oh Song
Parsimonious Black-Box Adversarial Attacks via Efficient Combinatorial Optimization
ICML 2019.

Miscellaneous Experience

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)

Miscellaneous Experience (continued)

- Introduction to Deep Learning (2019, 2022)

Competitive Coding

- ARC Prize 2024 7th Place (Team name: GOA)

Talks

- SNU AI Retreat
 - Direct Preference-based Policy Optimization without Reward Modeling, 2023.
 - 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.