

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 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)

Talks

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|-------------------------------|---|
| 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. |