

# Deokjae Lee

bdbj@mllab.snu.ac.kr  
badeok0716.github.io  
Google Scholar

## EDUCATION

**Seoul National University, M.S. & Ph.D.**  
*Department of Computer Science and Engineering*

**2020.09 - Current**

**Seoul National University, B.S.**  
*Department of Mathematical Sciences*

**2016.03 - 2020.08**

**Seoul Science High School**

**2012.03 - 2015.02**

## PUBLICATIONS

### Conference

[C5] Training Greedy Policy for Proposal Batch Selection in Expensive MOCO, **Deokjae Lee**, Hyun Oh Song, Kyunghyun Cho, *ICML* 2024.

[C4] Query-Efficient Black-Box Red Teaming via Bayesian Optimization, **Deokjae Lee**, JunYeong Lee, Jung-Woo Ha, Jin-Hwa Kim, Sang-Woo Lee, Hwaran Lee, Hyun Oh Song, *ACL* 2023.

[C3] Efficient Latency-Aware CNN Depth Compression via Two-Stage Dynamic Programming, Jinuk Kim\*, Yeonwoo Jeong\*, **Deokjae Lee**, Hyun Oh Song, *ICML* 2023.

[C2] Query-Efficient and Scalable Black-Box Adversarial Attacks on Discrete Sequential Data via Bayesian Optimization, **Deokjae Lee**, Seungyong Moon, Junhyeok Lee, Hyun Oh Song, *ICML* 2022.

[C1] Optimal channel selection with discrete QCQP, Yeonwoo Jeong\*, **Deokjae Lee\***, Gaon An, Changyong Son, Hyun Oh Song, *AISTATS* 2022.

## WORK EXPERIENCES

- Visiting scholar at [NYU CDS](#), studying active learning algorithm for multi-objective combinatorial problem [C5], Winter 2022, New York, USA.
- Research intern at [DeepMetrics](#), working on evaluating ventilator AI, Winter 2022, Seoul, South Korea.
- Research intern at [VisualCamp](#), developing eye-tracking algorithm, Winter 2019, Seoul, South Korea.

## TEACHING EXPERIENCES

- Teaching Assistant, Introduction to Deep Learning (M2177.0043), Spring 2023.
- Teaching Assistant, Machine Learning (4190.666), Fall 2020.
- Undergraduate Student Instructor, Basic Calculus 2 (033.017), Fall 2017.
- Undergraduate Student Instructor, Basic Calculus 1 (033.016), Spring 2017.

## HONORS AND AWARDS

- Qualcomm Innovation Fellowship Korea Finalist (2023).
- Yulchon AI Star Scholarship (2023).
- Qualcomm Innovation Fellowship Korea Finalist (2022).
- University Mathematics Competition, Field 1 Silver medal, from Korean (2019).
- National Science & Technology Scholarship, (2018 - 2020).
- POSTECH Hearthstone Tournament, champion ([link](#)) (2015).
- Korean Mathematical Olympiad (KMO), Silver medal (2013).

## ACADEMIC SERVICES

- Conference Reviewer: NeurIPS (2022, 2023, 2024), ICML (2023, 2024), ACL (2023), EMNLP (2023), ICLR (2024), COLM (2024).
- Journal Reviewer: TPAMI (2024).

## SKILLS

### Programming Languages and Frameworks

- Advanced: Python, PyTorch, TensorFlow, LaTeX.
- Intermediate: C++, MATLAB.

### Languages

- Korean (native).
- English (fluent).

## REFERENCES

**Hyun Oh Song** Associate Professor, Dept. of Computer Science and Engineering, Seoul National University (hyunoh@snu.ac.kr).

**Kyunghyun Cho** Professor, Dept. of Computer Science and Engineering, New York University (kc119@nyu.edu).

last edit : 2024.07