

Jaehwan Lee

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EDUCATION

- **KAIST** 2025.02-
Ph.D. in Data Science Daejeon, Korea
- **Yonsei University** 2020.03-2025.02
B.A. in Applied Statistics Seoul, Korea. GPA: 4.16/4.3

EXPERIENCE

- **Computational Optimization Methods (COMET) Lab** 2025.02-
Graduate Research Assistant Supervised by Prof. Changhyun Kwon Daejeon, Korea
- **Computational Optimization Methods (COMET) Lab** 2024.06-2024.08
Undergraduate Research Assistant Supervised by Prof. Changhyun Kwon Daejeon, Korea
- **Systems Modeling And Programming Lab @ Yonsei (SYMPPLY)** 2022.08-2024.06
Undergraduate Research Assistant Supervised by Prof. Soongeol Kwon Seoul, Korea

PUBLICATIONS

- **Lee, J* and Kwon, S. Supervised Optimization Framework for Charging and Discharging Controls of Battery Energy Storage**
IEEE Transactions on Smart Grid, 2024, 15.6: 5610-5621.

PROJECTS

- **Quantum Decision-Focused Learning** 2025.09-
with GS CAUS
– Tools & technologies used: Python, Qiskit, Gurobi
– Studied and developed quantum decision-focused learning framework
- **Neural Combinatorial Optimization with Decision Transformer Framework** 2024.05
Reinforcement Learning Team Project
– Tools & technologies used: Python, PyTorch, OR-Tools
– Studied decision transformer framework and traveling salesman problem
- **Optimizing Energy Consumption by Integrating Machine Learning and Mathematical Optimization** 2023.05
Final Project in ESC 29th
– Tools & technologies used: Python, Scikit-learn, Gurobi
– Studied machine learning techniques and MILP

TECHNICAL SKILLS AND INTERESTS

Programming Language: C++, Python, Julia

Field of Interest: OR-based Quantum Computing Enhancement and Quantum Computing-based Optimization Acceleration

ACHIEVEMENTS AND AWARDS

- **2nd Prize** 11th BIG CONTEST 2023 2023.12
- **4th Prize** 10th BIG CONTEST 2022 2022.12
- **4th Prize** Traditional Culture Youth Entrepreneurship Idea Contest 2022 2021.08
- **Academic Honors Award** Semester 2022-1 2022.08
- **Academic Excellence Award** Semester 2021-2 2022.02