

# Eungyeol Lee

## ABOUT ME

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### Interested In

- Metaheuristic Algorithm
- Combinatorial Optimization
- Reinforcement Learning
- Natural Language Processing

### Links

-  : GitHub
-  : Blog
-  : BOJ

## EDUCATION

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### Gwangju Institute of Science and Technology

2021.03 - now

*Undergraduate Student*

*Gwangju, Korea*

- Major in **Electrical Electronic Computer Science**
- GPA 3.75 / 4.5

### Jeonbuk Science High School

2019.03 - 2021.02

*Graduation*

*Iksan, Korea*

- Department of Chemistry
- Early Graduation

## EXPERIENCE

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### Internship

2024.01 - 2024.02

*Electronics and Telecommunications Research Institute*

2024.07 - 2024.08

*Daejeon, Korea*

- Study about Sentence Classification

### Undergraduate Research Intern

2023.04 - 2023.09

*GIST Intelligence Representation & Reasoning Lab*

*Gwangju, Korea*

- Study about Natural Language Processing
- Study about Deep Learning

### Teaching Assistant

2023.03 - 2023.06

*GIST EC2202 Data Structure*

*Gwangju, Korea*

- Teach in Recitation session

### Member

2023.03 - 2023.07

*Software Maestro 14th*

*Seoul, Korea*

- Natural Language Processing in Practical Projects
- **Award : ₩6,000,000**

### Undergraduate Research Intern

2022.12 - 2023.02

*GIST Data Mining & Computational Biology Lab*

*Gwangju, Korea*

- Study about Machine Learning
- Study about Basic Statistics

### Table Tennis Robot Project

2022.06 - 2022.08

*OpenCV, Arduino, Machine Learning*

[Link](#)

- Making a robot arm and playing table tennis using OpenCV, Arduino
- GIST 6th Table Tennis Robot Contest : Preliminaries 1st, Finals 4th
- **Award : ₩500,000**

## PUBLICATIONS

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- |   |                             |
|---|-----------------------------|
| <b>Classification Performance Improvement of 112 Report Data By Using Combined Loss Function</b>  | 2024.02.01                  |
| <i>Natural Language Processing, Classification, Deep Neural Network</i>   | <a href="#"><u>Link</u></a> |
| <ul style="list-style-type: none"><li>• Useful loss function for monotonic labeled classification</li><li>• Advanced language model for the Korean text classification task</li></ul> |                             |

## PERSONAL PROJECTS

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- |  |                             |
|--|-----------------------------|
| <b>Multiple Simulated Annealing with Range Limitation</b>  | 2024.05                     |
| <i>Metaheuristics</i>  | <a href="#"><u>Link</u></a> |
| <ul style="list-style-type: none"><li>• Proposing a methodology to improve metaheuristic performance</li></ul>                                     |                             |
| <b>How Can Find Ideal Racing Line? - Dynamic Programming</b>   | 2023.12                     |
| <i>Optimization</i>  | <a href="#"><u>Link</u></a> |
| <ul style="list-style-type: none"><li>• Race track optimization using simulation and dynamic programming</li></ul>                                 |                             |
| <b>Race Strategy Optimization by using Genetic Algorithm</b>   | 2023.09                     |
| <i>Genetic Algorithm</i>   | <a href="#"><u>Link</u></a> |
| <ul style="list-style-type: none"><li>• Application of basic genetic algorithms to optimize racing strategies with practice session data</li></ul> |                             |

## SKILLS

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**Languages:** English, Korean  
**Programming Languages:** Python, C++  
**Developer Tools:** VSCode, PyCharm, Jupyter Notebook  
**Other Tools:** Markdown, LaTeX, Git Bash  
**Operating System:** Mac, Window OS