# Jinseo Lee

## Personal Data


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|---|---|
| Place and Date of Birth: | Republic of Korea \| 08 February 2002 |
| Address: | 27, Eoeun-ro 42beon-gil, Yuseong-gu, Daejeon, Republic of Korea |
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## Research Interests

- Information security, network security
- Artificial intelligence, natural language processing

## Education

**Korea Advanced Institute of Science and Technology (KAIST)** Aug 2023–Current
M.S. in School of Computing

**Korea Advanced Institute of Science and Technology (KAIST)** Feb 2019–Aug 2023
B.S. in School of Computing and Business and Technology Management

## Research Projects

Jan 2023–Current | Blocking of DNS-over-HTTPS
We are measuring the current state of DNS-over-HTTPS blocking in the Internet.
Advisor: Prof. Minsuk Kang

Apr 2023–Jun 2023 | Advanced Skipping Counter: A State-of-the-art Counter For Skipping Ropes Using Sensors
We recognized a limitation with existing methodologies for automatic jump counting, as they lacked the ability to differentiate between different types of jumps and necessitated complex setups. In response, we developed and implemented an advanced jump counter that possesses enhanced capabilities in distinguishing jump types while requiring minimal resources (only the device and an Android smartphone). For further details, the source code and a concise report can be accessed on GitHub.
Cooperated with Nayoung Oh (undergraduate)

Mar 2023–May 2023 | Qualcomm-KAIST Innovation Awards 2023
We participated in the Qualcomm-KAIST Innovation Award 2023, a hackathon aimed at developing a reliable machine learning model to predict the Myers-Briggs Type Indicator (MBTI) of individuals using only the questions and corresponding answers. The source code and report for our project are available on GitHub.
Cooperated with Seogyeong Jeong and Joohee Kim (undergraduates)

Oct 2022–Dec 2022 | DUDE (DUplication DEtector)
We have developed a GitHub Action that detects duplication among GitHub issues and notifies the respective writers. You can find the GitHub Action at the GitHub Marketplace.
Advisor: Prof. Kihong Heo

Mar 2022–June 2022 | Improved DialogueRNN: Dealing with Emotional Shift
We conducted an investigation into emotion detection utilizing artificial intelligence, which exhibited subpar performance when dealing with dialogues featuring rapid changes in emotion. We identified this issue as the 'emotional shift problem' and devised a solution to address it, resulting in enhanced performance.
Cooperated with Darae Lee, Jonghee Jeon and Joohee Kim (undergraduates)

## Skills

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| Programming Languages | Beginner: | Rust, Java |
| | Intermediate: | OCaml, C |
| | Advanced: | C++, Python |
| Languages | Korean: | Native |
| | English: | Professional working proficiency |
| | Norwegian: | Elementary proficiency |

## Personal Activities

**Student Representative of School of Computing** Aug 2023–February 2024
KAIST School of Computing

**Club Representative** Sep 2022–Jun 2023
KAIST Catholic Student Union Sanarae

**Standing Committee** Apr 2021–Dec 2021
Daejeon Catholic Council of University Students

**Club Executive** Sep 2019–Dec 2020
KAIST Catholic Student Union Sanarae