

# 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

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

## Education

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**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

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Jan 2023–Current	<b>Blocking of DNS-over-HTTPS</b> We are measuring the current state of DNS-over-HTTPS in the Internet. Advisor: Minsuk Kang
Apr 2023–Jun 2023	<b>Advanced Skipping Counter: A State-of-the-art Counter For Skipping Ropes Using Sensors</b> 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 <a href="#">GitHub</a> . Cooperated with Nayoung Oh (undergraduate)
Mar 2023–May 2023	<b>Qualcomm-KAIST Innovation Awards 2023</b> 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 <a href="#">GitHub</a> . Cooperated with Seogyong Jeo and Joohee Kim (undergraduates)
Oct 2022–Dec 2022	<b>DUDE (DUplication DETector)</b> 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 <a href="#">GitHub Marketplace</a> . Advisor: Kihong Heo
Mar 2022–June 2022	<b>Improved DialogueRNN: Dealing with Emotional Shift</b> 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

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<b>Club Executive</b> KAIST Catholic Student Union Sanarae	Sep 2019–Dec 2020
<b>Standing Committee</b> Daejeon Catholic Council of University Students	Apr 2021–Dec 2021
<b>Club Representative</b> KAIST Catholic Student Union Sanarae	Sep 2022–Jun 2023