

# JINSEO LEE

## PERSONAL DATA

Place and Date of Birth: Republic of Korea | 08 February 2002  
Address: 27, Eoeun-ro 42beon-gil, Yuseong-gu, Daejeon, 34139, Republic of Korea  
Email: [jinseo.vik.lee@kaist.ac.kr](mailto:jinseo.vik.lee@kaist.ac.kr)  
Website: [allgot.github.io](https://allgot.github.io)

## RESEARCH INTERESTS

Network Security, Network Privacy, Internet Measurement, Censorship, Surveillance

## EDUCATION

**Korea Advanced Institute of Science and Technology (KAIST)**, Daejeon, Republic of Korea  
Ph.D. in Computer Science Feb 2025 – (Expected)  
M.S. in Computer Science Aug 2023 – Feb 2025 (Expected)  
- Advisor: Prof. Min Suk Kang  
- Master Thesis: *Measuring DNS-over-HTTPS Downgrades: Prevalence, Techniques, and Bypass Strategies*  
  
B.S. in Computer Science Feb 2019 – Aug 2023  
- Double Major in Business and Technology Management  
- Latin Honors: *Cum Laude*

## AWARDS AND HONORS

**Outstanding Poster** Nov 2024  
5th place at the 2024 Security@KAIST Fair  
  
**KAIST Full Scholarship for Graduate Program** Aug 2023 – Feb 2025 (Expected)  
Government-Sponsored Scholarship  
  
**KAIST Full Scholarship for Undergraduate Program** Feb 2019 – Aug 2023

## REFERRED PUBLICATION

[1] **Jinseo Lee**, David Mohaisen, and Min Suk Kang. 2024. Measuring DNS-over-HTTPS Downgrades: Prevalence, Techniques, and Bypass Strategies. *Proc. ACM Netw.* 2, CoNEXT4, Article 28 (December 2024), 22 pages. <https://doi.org/10.1145/3696385>

## RESEARCH PROJECTS

Aug 2023 – Current	<b>Tor Vulnerability</b> We discovered a vulnerability in a specific component of Tor and are collaborating with the Tor developers to address it. Advisor: Prof. Min Suk Kang Cooperated with Hobin Kim
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Jan 2023–June 2024	<b>Downgrades of DNS-over-HTTPS</b> We measured the current status of DNS-over-HTTPS downgrades worldwide, uncovering their prevalence, techniques, and bypass strategies. Advisor: Prof. Min Suk Kang Cooperated with Prof. David Mohaisen
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 this project are available on <a href="#">GitHub</a> . Cooperated with Seogyong Jeong and Joohee Kim
Oct 2022–Dec 2022	<b>DUDE (DUplication DETector)</b> We developed a GitHub Action designed to detect duplicate GitHub issues and notify their respective authors. You can find it on the <a href="#">GitHub Marketplace</a> . Advisor: Prof. Kihong Heo
Mar 2022–June 2022	<b>Improved DialogueRNN: Dealing with Emotional Shift</b> We conducted research on emotion detection using artificial intelligence, which exhibited subpar performance when analyzing dialogues with rapid changes in emotion. We identified this challenge as the <i>emotional shift problem</i> and proposed a solution to address it, resulting in enhanced performance. Cooperated with Darae Lee, Jonghee Jeon, and Joohee Kim

## LEADERSHIP EXPERIENCE

<b>Graduate Student Representative</b> KAIST School of Computing	Aug 2023–February 2024
<b>Representative</b> KAIST Catholic Student Union Sanarae	Sep 2022–Jun 2023
<b>Standing Committee</b> Daejeon Catholic Council of University Students	Apr 2021–Dec 2021
<b>Executive</b> KAIST Catholic Student Union Sanarae	Sep 2019–Dec 2020

## SKILLS

Programming Languages	Beginner: Rust, Java Intermediate: OCaml Advanced: C, C++, Python
Languages	Korean: Native English: Professional Working Proficiency Norwegian: Elementary Proficiency