

# 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, 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

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Network security & privacy; anonymity networks; Internet measurements; censorship & surveillance

## EDUCATION

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**KAIST**, Daejeon, Republic of Korea

Ph.D. in Computer Science Feb 2025–Present

M.S. in Computer Science Aug 2023–Feb 2025

- 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*

## REFERRED PUBLICATION

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- [1] **Jinseo Lee**, Hobin Kim, and Min Suk Kang. 2025. Onions Got Puzzled: On the Challenges of Mitigating Denial-of-Service Problems in Tor Onion Services. In *Proceedings of the 34th USENIX Security Symposium* (Seattle, WA, USA) (*USENIX Security '25*). USENIX Association, Berkeley, CA, USA, 19 pages. <https://www.usenix.org/conference/usenixsecurity25/presentation/lee> (*Recognized with Honorable Mention*)
- [2] **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>

## AWARDS AND HONORS

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**Honorable Mention [1]** Aug 2025

USENIX Security '25: Selected among 25 recognized papers out of 407 (6%).

**Presidential Science Scholarship for Graduate Students**

Jun 2025–Present

Korea Student Aid Foundation (KOSAF)

**Award for Ambitious Failure**

Feb 2025

President of KAIST

**Inseong Scholarship**

Jan 2025

**Outstanding Poster**

Nov 2024

5th place at the 2024 Security@KAIST Fair

## PROFESSIONAL SERVICE

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### Program Committee

Poster/Demo Session Committee at ACM CCS '25 2025

### Artifact Evaluation Committee

IEEE S&P '26 2025

## TEACHING AND ADVISING

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### Teaching Assistant

Network Security Feb 2025–Jun 2025  
- KAIST  
- Worked with Prof. Min Suk Kang

### Undergraduate Student Advising

Jongkook Han Jan 2025–Present  
- KAIST  
- Project description: Designing and evaluating a new side channel attack to deanonymize Tor onion services

## RESEARCH PROJECTS

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Sep 2024–Present	<b>Deanonymization of Tor Onion Services</b> We have discovered a critical side channel in Tor and are conducting a thorough evaluation. Advisor: Prof. Min Suk Kang Cooperated with Jongkook Han
Aug 2023–Sep 2024	<b>Tor DoS Vulnerability</b> We discovered a serious Denial-of-Service (DoS) vulnerability in Tor client puzzles and are collaborating with the Tor developers to address it [1]. Advisor: Prof. Min Suk Kang Cooperated with Hobin Kim
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 [2]. 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

LEADERSHIP EXPERIENCE

<b>Peer Counselor</b> KAIST Counseling Center	Jun 2025–Present
<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