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
Website:	allgot.github.io

Research Interests

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

Education

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

[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, **CoNEXT**4, Article 28 (December 2024), 22 pages. https://doi.org/10.1145/3696385

Awards and Honors

Poster Best Reviewer Award　　　　　　　　　　　　　　　　　　Oct 2025
ACM CCS 2025

Honorable Mention [1]　　　　　　　　　　　　　　　　　　Aug 2025
USENIX Security '25: Selected among 25 recognized papers out of 407 (6%)

Presidential Science Scholarship for Graudate Students　　　　Jun 2025−Present
Korea Student Aid Foundation (KOSAF)

Award for Ambitious Failure　　　　　　　　　　　　　　　　　　Feb 2025
President of KAIST

Inseong Scholarship　　　　　　　　　　　　　　　　　　Jan 2025

Professional Service

Program Committee

Poster/Demo Session Committee at ACM CCS '25   2025

Artifact Evaluation Committee

PETS '26   2025
IEEE S&P '26   2025

Teaching and Advising

Teaching Assistant

Introduction to Computer Networks   Sep 2025−Dec 2025
Network Security   Feb 2025−Jun 2025
- *KAIST*
- Worked with Prof. Min Suk Kang

Undergraduate Student Advising

Jongkook Han   Jan 2025−Present
- *KAIST*
- Designed and evaluated a new side channel attack to deanonymize Tor onion services at scale

Research Projects

Sep 2024−Present	**Deanonymization of Tor Onion Services** Identified a critical side channel enabling large-scale deanonymization of Tor onion services and evaluated practical mitigation strategies. Cooperated with Jongkook Han; Advised by Prof. Min Suk Kang
Aug 2023−Sep 2024	**Tor DoS Vulnerability** Discovered a serious Denial-of-Service (DoS) vulnerability in Tor client puzzles and collaborated with the Tor Project to address it [1]. Cooperated with Hobin Kim; Advised by Prof. Min Suk Kang
Jan 2023−June 2024	**Downgrades of DNS-over-HTTPS** Measured the status of DNS-over-HTTPS downgrades worldwide, uncovering their prevalence, techniques, and bypass strategies [2]. Cooperated with Prof. David Mohaisen; Advised by Prof. Min Suk Kang
Mar 2023−May 2023	**Qualcomm-KAIST Innovation Awards 2023** 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 (GitHub link). Cooperated with Seogyeong Jeong and Joohee Kim
Oct 2022−Dec 2022	**DUDE (DUplication DEtector)** Developed a GitHub Action designed to detect duplicate GitHub issues and notify their respective authors (GitHub Marketplace link). Advised by Prof. Kihong Heo

Leadership Experience

Peer Counselor   Jun 2025−Present
KAIST Counseling Center

Graduate Student Representative   Aug 2023−Feb 2024
KAIST School of Computing

Representative   Sep 2022−Jun 2023
KAIST Catholic Student Union Sanarae

Standing Committee   Apr 2021−Dec 2021
Daejeon Catholic Council of University Students

Executive   Sep 2019−Dec 2020
KAIST Catholic Student Union Sanarae

Languages

Korean
Native

English
Professional working proficiency

Norwegian
Elementary proficiency