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

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

Outstanding Poster — Nov 2024
5th place at the 2024 Security@KAIST Fair

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

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

Sep 2024–Present | Deanonymization of Tor Onion Services
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 | Tor DoS Vulnerability
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 | Downgrades of DNS-over-HTTPS
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 | 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 this project are available on GitHub.
Cooperated with Seogyeong Jeong and Joohee Kim

Oct 2022–Dec 2022 | DUDE (DUplication DEtector)
We developed a GitHub Action designed to detect duplicate GitHub issues and notify their respective authors. You can find it on the GitHub Marketplace.
Advisor: Prof. Kihong Heo

Leadership Experience

Peer Counselor Jun 2025−Present
KAIST Counseling Center

Graduate Student Representative Aug 2023−February 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

Skills

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