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
- Advisor: Prof. Min Suk Kang

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*

Awards and Honors

Q-Day Special Student Award   Nov 2025
President of KAIST: Awarded to 19 teams or individuals for exemplary creativity, active participation across diverse activities, and outstanding achievements *(<0.2%)*

Top Poster Reviewers Award   Oct 2025
ACM CCS '25: Awarded to top 5 reviewers out of 51 *(10%)*

Excellence Award   Sep 2025
The Third AI Hackathon for Network Intelligence: 2nd place out of 94 teams *(2%)*

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

Presidential Science Scholarship for Graduate Students   Jun 2025−Present
President of the Republic of Korea: Awarded to 121 recipients out of 2,355 applicants for outstanding scientific aptitude, exceptional potential, and expected contributions to the advancement of national science and technology *(5%)*

Award for Ambitious Failure   Feb 2025
President of KAIST: Awarded to 3 teams or individuals for contributing to the promotion of a culture of challenge and innovation unafraid of failure *(<0.1%)*

Inseong Scholarship   Jan 2025
KAIST: Awarded to 20 graduate students for exemplary conduct, community service, and contributions to the university's development and reputation *(<0.3%)*

KAIST Full Scholarship for Graduate Program   Aug 2023−Present

REFEREED 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

TALKS

Challenges of Mitigating Denial-of-Service Problems in Tor Onion Services [1],   Mar 2026
RSAC Conference: Invited Talk, San Francisco, CA, USA

Onions Got Puzzled: On the Challenges of Mitigating Denial-of-Service Problems in Tor Onion Services [1],   Aug 2025
USENIX Security: Conference Presentation, Seattle, WA, USA

Measuring DNS-over-HTTPS Downgrades: Prevalence, Techniques, and Bypass Strategies [2],   Dec 2024
ACM CoNEXT: Conference Presentation, Los Angeles, CA, USA

PROFESSIONAL SERVICE

Program Committee

Poster/Demo Session Committee at ACM CCS '25   2025

Artifact Evaluation Committee

USENIX Security '26   2025
PETS '26   2025
IEEE S&P '26   2025

TEACHING AND ADVISING

Teaching Assistant

Introduction to Information Security (Prof. Min Suk Kang, KAIST)   Feb 2026−Jun 2026
Introduction to Computer Networks (Prof. Min Suk Kang, KAIST)   Sep 2025−Dec 2025
Network Security (Prof. Min Suk Kang, KAIST)   Feb 2025−Jun 2025

Undergraduate Student Advising

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

Research Projects

Jailbreaking Attacks against AI Code Assistants　　　　　　Sep 2025 −Present
Investigating jailbreaking vulnerabilities in AI code assistants

Deanonymization of Tor Onion Services　　　　　　Sep 2024−Present
Identified a critical side channel enabling large-scale deanonymization of Tor onion services and
evaluated practical mitigation strategies

DoS Attacks against Tor Onion Services　　　　　　Aug 2023−Sep 2024
Discovered a serious Denial-of-Service (DoS) vulnerability in Tor client puzzles and collaborated
with the Tor Project to address it [1]

Downgrades of DNS-over-HTTPS　　　　　　Jan 2023−June 2024
Measured the status of DNS-over-HTTPS downgrades worldwide, uncovering their prevalence, techniques, and bypass strategies [2]

DUDE (DUplication DEtector)　　　　　　Oct 2022−Dec 2022
Developed a GitHub Action designed to detect duplicate GitHub issues and notify their respective
authors (GitHub Marketplace link)

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