

Jinheon Lee

• jinh.lee@kaist.ac.kr • howdays.blog

• linkedin.com/in/jinheon-lee-4319b2249 • <https://github.com/JinsBurger>

Skill & Interests

I'm passionate about system hacking, particularly focusing on exploitation and mitigation techniques across various environments. In addition, I have a strong interest in software analysis, as well as cyber diplomacy and international security, where technology and policy converge.

Education

Korea Advanced Institute of Science and Technology *M.S. School of Computing* / Mar. 2026 – Present

- SoftSec Lab (Advisor: Prof. Sang Kil Cha)

Korea University, Seoul *B.E. Cyber Defense* / Mar. 2022 – 2026

- GPA: 3.98 / 4.5
- President, CyKor (Cybersecurity Club, Jan–Dec 2025)
- Member, BEYOND (International Politics Academic Society, Mar–Nov 2025)

Work Experience

Zellic | Security Researcher | Part-Time Jan. 2025 - Present

- Research on blockchain security, Web3

PKSecurity | Offensive Security Researcher Feb. 2023 – Dec. 2024

- Research on Android Zero-click research.
- Published the process of identifying and exploiting a vulnerability in Virtualbox, a personal discovery made in 2021.
 - blog.pksecurity.io/2024/05/21/virtualbox_escape_2021.html

Enki | Security Researcher Feb. 2021 – Oct. 2021

- Research on Offensive Security.

Activities

Best of the Best | Vulnerability analysis Track 9th Feb. 2020 – Oct. 2020

Korea Information Technology Research Institute

- Research on mechanism of CodeQL and apply it on compiled Android applications (smali).
 - In charge of development.
 - Modified and fixed androguard(Open-Source android decompiler) to create AST and generate CodeQL database.

Achievements & Awards

CODEGATE CTF Finals, Seoul, Republic of Korea

- **2nd Place**, General Division (Team CyGon) — Sep 2025
- **2nd Place**, General Division (Team USACyKor) — Sep 2024
- **2nd Place**, University Division (Team) — Sep 2023
- **1st Place**, Junior Division (Individual) — Sep 2020
- * *Minister of Science and ICT Award*

DEFCON CTF {27–32} Finals, Las Vegas, USA

- **4th Place**, DEFCON 31 (Team HypeBoy) — Oct 2023
- Contributed to the development of an exploit manager and a packet traffic manager.
- **3rd Place**, DEFCON 30 (Team StarBugs) — Aug 2022

WhiteHat Contest, Seoul, Republic of Korea

- **2nd Place**, General Division (Team) — Sep 2022
- * *Cyber Operations Commander's Award*
- **1st Place**, Junior Division (Team) — Sep 2019
- * *Minister of National Defense Award*

Presidential Science Scholarship, Republic of Korea, Apr 2024

- * Awarded by the President of the Republic of Korea

Certificate of Appreciation, WACON, Republic of Korea National Assembly, Nov 2024

- * *the National Assembly Forum for Structural Reform toward Sustainable Growth Co-chairs: Koh Dongjin, Ahn Cheolsoo, Lee Sangsik*

Speaker at .Hack, Seoul, Republic of Korea, Hosted by Theori, May 2024

- *Title: Reversing of My Failed VirtualBox Journey*

1st Place, Cyber Defense Hacking Competition, Hosted by Army, Sep 2019

- * *Army Chief of Staff Award*

Disclosed Vulnerabilities

SmartBCH | Drain All Tokens, Feb, 2023

- smartbch.medium.com/a-whitehat-hacker-protects-smartbch-by-reporting-a-vulnerability-d2c8a5d91732

LivePeer | Freeze Delegated Stake, Sep, 2022

- forum.livepeer.org/t/post-mortem-8-24-22-delegated-stake-could-be-frozen/1897

Joomla! | Path Traversal, Feb, 2020

- developer.joomla.org/security-centre/848-20210308-core-path-traversal-within-joomla-archive-zip-class.html