• jinh@korea.ac.kr • howdays.kr • linkedin.com/in/jinheon-lee-4319b2249

## SKILLS & INTERESTS

I'm interested in system hacking and particularly focusing on **exploiting** and **mitigating** in several environment systems.

## EDUCATION

**Korea University, Seoul**                    *B.S. Cyber Defense* / Mar. 2022 - Present
- Presidential Science Scholarship (Apr, 2024)

## EXPERIENCE

**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

- The 2nd place at CODEGATE CTF .General (Team USACykor), Seoul, Republic of Korea, Sep, 2024

- The 8th place at DEFCON 32 CTF Final (Team HypeBoy), Las Vegas, USA, Oct, 2024

- Speaker at .Hack, Seoul, Republic of Korea, Hosted by Theori, May, 2024
  - *Reversing of My Failed Virtualbox Journey*

- The 4th place at DEFCON 31 CTF Final (Team HypeBoy), Las Vegas, USA, Oct, 2023

- The 1st place at CODEGATE CTF .Junior (Personal), Seoul, Republic of Korea, Sep, 2020
  - *Minister of Science and Technology Award*

- The 1st place at WhiteHat Contest 2019 .Junior (Team), Sep, 2019
  - *Minister of National Defense Award*

- The 1st place at 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