

Kyeongmin Kim

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EDUCATION

- **Korea Advanced Institute of Science and Technology (KAIST)** Feb. 2025 – Present
M.S. in Electrical Engineering
Daejeon, Korea
- **Kellogg College, University of Oxford** Aug. 2025 – Feb. 2026
Global Cybersecurity Talent Development Program sponsored by IITP
Oxford, UK
- **Korea University** Mar. 2020 – Feb. 2025
B.E. in Cyber Defense
Seoul, Korea
- **Vrije Universiteit Amsterdam (VU Amsterdam)** Feb. 2024 – Aug. 2024
Exchange Program
Amsterdam, Netherlands

EXPERIENCE

- **Graduate Student Researcher** Feb. 2025 – Present
Hacking Lab, KAIST
Advised by: Prof. Insu Yun
Daejeon, Korea
- **KITRI Best of the Best (BoB), 11th Cohort** Jul. 2022 – Mar. 2023
Vulnerability Analysis Track — Best 10
Seoul, Korea
- **Undergraduate Student Researcher** Jan. 2022 – Mar. 2022
Computer Systems Security Lab, Korea University
Advised by: Prof. Youngjoo Shin
Seoul, Korea

PUBLICATIONS

- **MTEscape: Bypassing Asynchronous Kernel MTE via Conventional Memory Corruption Vulnerabilities**
Kyeongmin Kim, Insu Yun
Proceedings of the 33rd ACM Conference on Computer and Communications Security (CCS 2026, to appear)
The Hague, The Netherlands, November 2026

CONFERENCE TALKS

- **MTEscape: Bypassing ARM's Asynchronous MTE with General Memory Corruption Vulnerabilities**
Hexacon 2026 (to be presented)
Paris, France, October 2026

HONORS AND AWARDS

Professional Recognition

- **Microsoft Most Valuable Researcher** Aug. 2026
Recognized as a top Microsoft security researcher; ranked 5th on the Windows leaderboard (Q2 2026).
- **Meritorious Service Award, Korean Association of Cybersecurity Studies (KACS)** Nov. 2025
Recognized for proactively detecting and responding to malware distribution activity.
- **Excellence Award, 2025 Chungcheong Regional Cyber Threat Scenario Competition** Sep. 2025
Received the Korea Gas Technology Corporation President's Award in the gas sector.

Hacking Competitions

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| • 2nd Place, DEF CON 34 CTF (Team: 0x4b52) | Aug. 2026 |
| • Finalist, Midnight Sun CTF (Team: HackingForMakguli) | Jun. 2026 |
| • Finalist, DreamHack Invitational | Apr. 2025 |
| • Finalist, LakeCTF (Team: CyKor) | Dec. 2024 |
| • Finalist, HITCON CTF (Team: Cold Fusion) | Nov. 2024 |
| • Finalist, DEF CON 32 CTF (Team: Cold Fusion) | Aug. 2024 |
| • 2nd Place, GlacierCTF — Academic Division (Team: CyKor) | Nov. 2023 |
| • 4th Place, HITCON CTF Final (Team: Program-Fur-Mozzi) | Nov. 2023 |
| • Finalist, CODEGATE CTF — University Division (Team: roKyC) | Aug. 2023 |
| • Finalist, Midnight Sun CTF (Team: CyKor) | Aug. 2023 |
| • 3rd Place, Samsung Security Tech Forum CTF (Team: Cy + Kr) | Aug. 2023 |
| • 2nd Place, zer0pts CTF (Team: CyKor) | Jul. 2023 |
| • Special Award, HACKTHEON Sejong (Team: CorKy) | May 2023 |

REPORTED VULNERABILITIES (CHOSEN)

- **CVE-2026-50327 (and 2 others):** Remote Code Execution in Windows Media
- **CVE-2026-50655:** Remote Code Execution in Windows Media Foundation
- **CVE-2026-44812:** Remote Code Execution in Windows Graphics Component
- **CVE-2026-42992 (and 5 others):** Remote Code Execution in Windows Remote Desktop Client
- **CVE-2026-50497:** Information Disclosure in Microsoft Remote Desktop Protocol
- **CVE-2026-58535 (and 6 others):** Information Disclosure in Windows Remote Desktop Client
- **CVE-2024-22211:** FreeRDP Heap Buffer Overflow
- **KVE-2023-5003:** Alyac Antivirus Local Privilege Escalation
- **KVE-2022-0980:** V3 Antivirus Local Privilege Escalation

TEACHING EXPERIENCE

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|---|-------------|
| • Introduction to Modern Software Development (EE217)
Teaching Assistant at KAIST (Instructor: John Kim) | Fall 2026 |
| • Introduction to Modern Software Development (EE217)
Teaching Assistant at KAIST (Instructor: Seulki Lee) | Spring 2026 |
| • Introduction to Electronics Design Lab (EE305)
Teaching Assistant at KAIST (Instructor: Jung-Woo Choi, Ian Oakley, Bongjin Kim) | Spring 2026 |
| • Programming Structures for Electrical Engineering (EE209)
Teaching Assistant at KAIST (Instructor: Jaemin Yoo) | Spring 2025 |