





Sang Hyuk An

Digital Forensic Investigator

CONTACT

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SKILLS

- Digital Forensics
- Incident Resonse
- Reverse Engineering
- Project Management
- Hardware Analysis

Program Language

- C / C++
- Python

LANGUAGES

- Korean (Native)
- English (Proficient)

HOBBIES

- Coffee
- Rock Climbing
- Running

PROFESSIONAL EXPERIENCE

Undergraduate Researcher, DFRC(Korea University), Seoul, Republic of Korea
[January 2021 – February 2022]

- Personal Case Investigation (AXIOM, EnCase, MD)
- Police LAB: secure message reverse engineering
- Vessel Forensics: UBIFS analysis
- Carpe Forensics: GUI development (C#)
- Participated Seminar: Filesystem, Email, Memory
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Assistant Analyst, Plainbit, Gyeonggi-do, Republic of Korea
[February 2022 - May 2022]

- Case Investigation (AXIOM, XWAYS, MD, CELLEBRITE, BELKA)
- Forensic case support: physical acquisition (PC, mobile)
- Police LAB: Cryptocurrency wallet artifact analysis & reversing
- FAB risk analysis: forensic artifact analysis tool development
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CERT, Republic of Korea Air Force, Republic of Korea
[August 2023 - May 2025]

- Incident Response, Threat Analysis
- Network access management (GENIAN, Netman)
- Security Operation Service (SPLUNK)

RESEARCH PAPER

S. An, S. Lee, J. Han, Data reconstruction and recovery of deduplicated files having non-resident attributes in NTFS volume, Forensic Science International: Digital Investigation, Volume 46, 2023

S. An, D. Kim, S. Jeong, et al. Firmware acquisition and analysis environment establishment of automotive electronic control unit using chip-off methodology, CISC-S 2023, 2023

G. An, S. An, D. Lim et al. Secure and Efficient package management techniques in closed networks, KTCCS, Volume 11, 2022

EDUCATION

Bachelor of Information Security, Korea University, Seoul, Republic of Korea, 2023

ACTIVITIES

Undergraduate Researcher, CyKor(Korea University), Seoul, Republic

[January 2020 – February 2023]

- Participated seminars
- Participate in challenges (CTF)
- ROKA DoD Penetration Testing (Hanwha System)

Best of Best 11th, KITRI, Republic of Korea

[September 2022 – March 2023]

- Vulnerability analysis track trainee
- Project Manager: iVi acquisition & vulnerability analysis
- Presentation: Korea University, Soongsil University, Dankook University
- Partnered with: KITRI, Dankook University

AI Security Education, KISA, Republic of Korea

[May 2020 – August 2023]

- Participated in education
- Participated a challenge: CAN threat analysis using AI

HONORS & AWARDS

- Winner – DFRWS Challenge 2023, Troubled Elevator, 2023
- Winner – BCS Cybercrime Forensics group poster competition, 2023
- Speaker – KIISC summer conference, 2023
- Speaker – Codegate 2022 BoB Session, 2022
- Participation Award – Find Digital criminal 8th, KIFC, 2022
- 2nd Place – Belka CTF #5 : Party Girl – Missing, 2022
- 5th place – Digital Forensic Challenge 2021, KIISC, 2021

CERTIFICATION

- Linux Master G2, KAIT, September 2024
- SQLD, DATAQ, June 2024
- Engineer Information Processing, Q-Net, June 2024
- TEPS Grade 1(480), Seoul National University, June 2024
- TESAT, Hankyung, April 2024
- MK TEST, MK, December 2024