

EDUCATION

Korea University

B.S. in Cyber Defense, GPA: 4.02/4.50

Seoul, S.Korea

Mar. 2019–Current

Korea Science Academy of KAIST(KSA)

High School, Graduated

Busan, S.Korea

Feb. 2016–Feb. 2019

EXPERIENCE

Naver Crop.

Internship

Seongnam, S.Korea

Jan. 2022–Feb. 2022

- Dept. Multimodal Applications
- Extracting Trivia Sentence from Unstructured Text Data and Service Performance Improvement

Korea University, AI Research Lab. (Prof. Sangkyun Lee)

Undergraduate research students

Seoul, S.Korea

Jan. 2021–Nov. 2021

- Malware Detection via Machine Learning
- Backdoor on Language Model
- User Classification based on SNS Data

Korea University, SANE LAB (Prof. Seungjoo Kim)

Undergraduate research students

Seoul, S.Korea

May. 2020–Aug. 2020

- Vulnerability analysis on D** Drone Firmware via Reverse Engineering

SKILLS

- **Programming Languages:** Python, C/C++, L^AT_EX
- **Languages:** Korean(Native), English(Proficient), Japanese(Intermediate)
- **Etc.:** PyTorch, Git, Sklearn, Pandas, Numpy, Huggingface, MySQL, Sqlite3, IDA Pro, Frida, Socket

SCHOLARSHIPS AND AWARDS

AI Competition

- 2nd place, **CLOVA AI RUSH ROUND1** - Abusing Detection from Naver Login Platform June. 2021
- 4th place, **CLOVA AI RUSH ROUND2** - Multi Classification of Blog Documents July. 2021
- 2nd place, **CYBER SECURITY AI · BIGDATA CHALLENGE 2021**
- Track A. AI based Malicious Powershell Detection Dec. 2021

Security Competition (CTF)

- 4th place, **zer0pts CTF 2020** - Team *CyKor* Mar. 2020
- Finalist, **DEFCON 28 CTF** - Team *CyKor* Aug. 2020

- Finalist, **CODEGATE CTF 2020** (University division) - Team *CyBie* Sep. 2020
- Invited **WCTF 2020 Belluminar Beijing** - Team *CyKor* Nov. 2020
- 2th place, **zer0pts CTF 2021** - Team *K-Students* Mar. 2021
- 5th place, **Samsung SSTF Hacker's Playground** - Team *CyKor* Aug. 2021

EXTRACURRICULAR ACTIVITIES

Best of the Best @KITRI 9th, Vulnerability Analysis Track Jul. 2020 – Mar. 2021

- Develop a Fuzzer for Finding Vulnerability Triggered by Uri Scheme
- Found Deeplink Vuln. Webview Redirect with Session Cookie.

Research Groups

- **CyKor**, Security Research Group @ Korea Univ, Member(Vice President in 2021) Apr.2019 – Current
- **Deepest**, Deep Learning Research Group @ SNU, Member Sep.2021 – Current
- **AlKor**, Problem Solving Group @ Korea Univ, Member Sep.2020 – Jun.2021

Teaching

- **Security Seminar**(Reverse Engineering), CyKor @ Korea Univ Apr.2020 – Sep.2021
- **CyberGuardians**(Information Security), Korea Digital Media High School Oct.2021 – Sep.2021