

Hyogon Ryu

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EDUCATION

Korea University

Undergraduate Student

- Bachelor of Engineering in Information Security
- GPA: 4.02/4.5

Seoul, South Korea

Expected February 2023

Korea Science Academy of KAIST(KSA)

High School, Graduated

Busan, South Korea

February 2016 - February 2019

EXPERIENCE

Naver Corp.

Internship

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

Seongnam, South Korea

January 2022 - February 2022

AI Research Lab, Korea University

Undergraduate Research Student (Adviser: Professor sangkyun Lee)

- User Classification based on Social Data
- Malware Detection via Machine Learning
- Dataset Poisoning on NLP models

Seoul, South Korea

January 2021 - November 2021

SANE Lab, Korea University

Undergraduate Research Student (Adviser: Professor Seungjoo kim)

- Vulnerability Analysis on Drone Firmware via Reverse Engineering

Seoul, South Korea

May 2021 - August 2021

HONORS & AWARD

AI Competition

- 2nd place, CLOVA AI RUSH ROUND1 | *Abusing Detection from Naver Login Platform* June 2021
- 4nd place, CLOVA AI RUSH ROUND2 | *Extracting document keywords for UGC recommendation* July 2021
- 2nd place, CYBER SECURITY AI & BIGDATA CHALLENGE 2021
| *Track A. AI Based Malicious PowerShell Detection* December 2021

Security Competition | a.k.a. CTF

- 8th place, DEFCON 28 CTF Final | *Team CyKor* August 2020
- 6th place, CODEGATE CTF Final, Univ | *Team CyBie* September 2020
- Finalist, WCTF 2020 Belluminar Beijing | *Team CyKor* November 2020
- 5th place, Samsung SSTF Hacker's Playground | *Team CyKor* August 2021

PUBLICATION

- Hojin Jung, **Hyogon Ryu**, Kyuhwan Jo, Sangkyun Lee, "Deobfuscation processing and deep learning-based detection method for PowerShell-based malware", (under review)

EXTRACURRICULAR ACTIVITIES

Deepest @SNU

Member of Deep Learning Research Group

- Participating in Weekly Hosting

September 2021 - Present

Best of the Best @KITRI

9th Vulnerability Analysis Track Trainee

- Team Leader of Project, Develop a Fuzzer for Finding Vulnerability Triggered by URI Scheme

July 2020 - March 2021

CyKor @Korea Univ

Member of Security Research and Hacking Group

- Vice President in 2021
- Taught C programming language & Reverse Engineering to freshman
- Participated in system hacking and reverse engineering projects

April 2019 - Present

TALKS & TEACHING

Mentor, Korea University, Data Science and Artificial Intelligence[GEST151]

Spring 2022

Instructor, Korea Digital Media High School, Information Security Advanced Class

Fall 2021

TECHNICAL SKILLS

Programming Languages: C/C++, Python

Languages: Korean(Native), English(Fluent)

Etc: PyTorch, Git, HuggingFace