

Kyuhwan Cho

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EXPERIENCE

Quantitative Developer · Singularity AI

Feb 2025 – Present · Seoul

- Sole quant developer — own the firm's entire trading system end-to-end, from market data ingestion to execution and monitoring
- Productionize researchers' strategies into live trading systems
- Built and manage all cloud infrastructure across AWS and GCP single-handedly

Protocol Engineer · Superblock

Feb 2024 – Jan 2025 · Seoul

- Developed the execution layer (geth-based) of the OverProtocol node client in Go
- Operated node infrastructure on GCP

Research Intern · Korea University AI Research Lab

Jul 2020 – Jan 2022 · Seoul

- AI-driven malware detection, in collaboration with Samsung SDS
- Focused on adversarial attack/defense and neural architecture search

Military Service · Republic of Korea Army

Jul 2022 – Jan 2024

AWARDS & HONORS

- **1st place, AI Cyber Defense Challenge (ACDC) 2025** — led the winning team at Korea's first government-hosted AI hacking defense competition (attack/defense of AI systems, incl. prompt injection); Dec 2025
- **2nd place (최우수상), Cybersecurity AI & Big Data Challenge 2021** — CNN-based malicious PowerShell script detection
- **1st place, Belluminar CTF 2019** (Team CyKor) — participated and authored a cryptography challenge

PUBLICATIONS & PATENTS

- "Deobfuscation Processing and Deep Learning-Based Detection Method for PowerShell-Based Malware," *Journal of the Korea Institute of Information Security and Cryptology (KCI)*, vol. 32, 2022 — co-author
- Patent (KR 10-2021-0147222), "Method and apparatus for malware detection" — GNN-based detection on control-flow graphs of binaries; co-inventor

EDUCATION

Korea University · B.S. in Cyber Defense — GPA 4.03/4.5

Mar 2018 – Feb 2022 · Seoul

Seoul Science High School · Science-gifted academy

2015 – 2018 · Seoul

ACTIVITIES

- **Deepest** — SNU Deep Learning Society: reinforcement learning, adversarial attack/defense (2020 – 2022)
- **DevKor** — Korea Univ. software development society: President (Jul 2020 – Feb 2021)
- **CyKor** — Korea Univ. hacking/CTF team: cryptography and fuzzing (2018 – 2020)

SKILLS

Languages	Go, Python, Rust
Infrastructure	AWS, GCP
Domains	Trading systems, blockchain node infrastructure, AI security / adversarial ML