

Youngjoong Kim

E-mail: revsic99@gmail.com — Tel: (+82) 10-8743-6004

WORK EXPERIENCE

Theori (Cyber Security Startup)

Freelance Research Engineer

AIxCC (AI Cyber Challenge) finalist with Team Theori (3rd place).

Implemented *Branch Flipper*, an LLM-agentic system for breaking fuzz blockers.

Seoul, Korea

Feb. 2025 – Aug. 2025

Senior Research Engineer

Developed an LLM-based automatic threat generation and exploitability validation system.

Architected and deployed an on-premise LLM server with automatic scale-to-zero.

Aug. 2023 – Feb. 2025

Team Lead

Founded and led the AI for Offensive Security team.

Responsible for hiring, team operations, and project management.

Aug. 2023 – Oct. 2024

Lionrocket (Generative AI Tech Startup)

Research Engineer

Developed a reference-based automatic image colorization system for web comics production.

Built a reference-based voice cloning system for automatic audiobook generation.

Developed a production-level text-to-speech synthesis model.

Seoul, Korea

Sep. 2019 – Jul. 2023

Team Lead

Founded and led the Research team.

Responsible for hiring, team operations, and project management.

Sep. 2019 – Jul. 2023

EDUCATION

Seoul National University, Seoul, Korea

M.S. in Computer Science and Engineering

Advisor: Prof. Jaesik Park

Research Interests: Generative Models, Diffusion Models

Mar. 2025 – Present

Hanyang University, Seoul, Korea

B.S. in Computer Science and Engineering, Minor in Mathematics

GPA: 4.0 / 4.5 (Major GPA: 4.2 / 4.5)

Mar. 2018 – Feb. 2025

PUBLICATIONS

Stabilizing Consistency Training: A Flow Map Analysis and Self-Distillation

Youngjoong Kim, Duhoe Kim, Woosung Kim, and Jaesik Park

arXiv preprint:2601.22679

Distribution Matching Distillation without Fake Score Network

Youngjoong Kim, Deokyeong Lee, and Jaesik Park

arXiv preprint:2605.19256

AWARDS AND HONORS

3rd Place

Defense Advanced Research Projects Agency (DARPA), U.S.

Developed an LLM-based agentic system for automatic vulnerability discovery.

DARPA AIxCC (AI Cyber Challenge), 2025

2nd Prize (Application Security Section)

Awarded by the Ministry of the Interior and Safety, Korea

Security auditing of Java-based mobile applications and vulnerability reporting.

KISA Software Contest, 2016

SKILLS

- **Programming:** Python, C/C++, Rust
- **Deep Learning:** PyTorch, TensorFlow, JAX/Flax, CUDA
- **Cybersecurity:** Reverse Engineering, Greybox Fuzzing, Secure Coding
- **Languages:** Korean (native), English