

RESEARCH INTERESTS

I focus on software and system security, especially on automated vulnerability detection through fuzzing and the implementation of advanced bug sanitization techniques. My research includes fuzzing for Android hardened applications and compiler-based sanitizer optimization. I am currently extending these studies to broader system environments.

EDUCATION

Korea University

M.S.-Ph.D. Student (Integrated Program)

- Advisor: Prof. Yuseok Jeon

Seoul, South Korea

Sep. 2025 -Present

UNIST

M.S. in Computer Science and Engineering

- Advisor: Prof. Yuseok Jeon

Ulsan, South Korea

Aug. 2023 - Aug. 2025

UNIST

B.E. in Computer Science and Engineering

- GPA: 4.0/4.3 (Major), Magna Cum Laude

Ulsan, South Korea

Mar. 2020 - Aug. 2023

PUBLICATIONS

1. Intent-aware Fuzzing for Android Hardened Application

Seongyun Jeong, Minseong Choi, Haehyun Cho, Seokwoo Choi, Hyungsub Kim, and Yuseok Jeon

ACM Conference on Computer and Communications Security 2025 (CCS'25)

(acceptance rate: 316/2278=13.9%)

2. ERASAN: Efficient Rust Address Sanitizer

Jium Min*, Dongyeon Yu*, Seongyun Jeong, Dokyung Song, and Yuseok Jeon

IEEE Symposium on Security and Privacy 2024 (S&P'24) (: co-first author)*

(acceptance rate: 258/1449=17.8%)

ACADEMIC SERVICES

Artifact Evaluation Committee (AEC): *ACM Conference on Computer and Communications Security (CCS) 2025*

AWARDS & HONORS

1. IITP President's Award (2nd Prize), ICT Challenge 2025

Seongyun Jeong, Minseong Choi, Jium Min

UNIST S2LAB Team, Project : AHA-Fuzz

2. Minister of Science and ICT Award (1st Prize), ICT Challenge 2024

Jium Min, Dongyeon Yu, Seongyun Jeong

UNIST S2LAB Team, Project : ERASAN