# Seongyun Jeong
M.S.-Ph.D Student

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## 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** — Seoul, South Korea
*M.S.–Ph.D. Student (Integrated Program)* — Sep. 2025 -Present
- Advisor: Prof. Yuseok Jeon

**UNIST** — Ulsan, South Korea
*M.S. in Computer Science and Engineering* — Aug. 2023 - Aug. 2025
- Advisor: Prof. Yuseok Jeon

**UNIST** — Ulsan, South Korea
*B.E. in Computer Science and Engineering* — Mar. 2020 - Aug. 2023
- GPA: 4.0/4.3 (Major), Magna Cum Laude

## 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**
   Jiun 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, Jiun Min
   *UNIST S2LAB Team, Project : AHA-Fuzz*

2. **Minister of Science and ICT Award (1st Prize)**, ICT Challenge 2024
   Jiun Min, Dongyun Yu, **Seongyun Jeong**
   *UNIST S2LAB Team, Project : ERASAN*