Hojin Choi

Undergraduate student at Sogang University

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RESEARCH INTEREST

Software security, software testing, static analysis, program repair, software engineering

EDUCATION

Sogang University — Seoul, Republic of Korea
Bachelor of Science in Computer Science and Engineering (CGPA: 4.11 / 4.3, 2nd place) — *Mar. 2020 - Present*
(On leaving for 2 years: Assistant drill instructor at mandatory military service)

RESEARCH EXPERIENCE

Undergraduate Intern at Information Security Lab — Sogang University
Advisor: Prof. Jaeseung Choi — *Jan. 2024 - Present*
- Research topic: Fuzz testing on real world smart contracts (Developing from the previous research, **Smartian**)

PUBLICATIONS

- **H. Choi**, J. Park, and J. Choi, "The Impact of Bug Oracle Implementation on the Effectiveness of Smart Contract Analysis Tools" in *Korea Software Congress (KSC)*, 2024.

HONORS AND AWARDS

Scolarship from Woon Hae Foundation — *2024*

Dean's list *Top 1% GPA honor, Sogang University* — *2023*

SW Excellence Scolarship for Freshmen *Sogang University* — *2020*

TEACHING EXPERIENCE

Introduction to AI Programming — *Fall. 2023 - Spring. 2024*
- *Covered basic Python programming and related frameworks*

PERSONAL PROJECTS

Programming Language (link) — *Spring. 2024*
Personal project using F# within the course
- Implement the simple imperative/functional programming language
- Implement the type checker

System Programming (link) — *Spring. 2024*
Personal project using C within the course
- Implement the simple shell
- Implement the concurrent server
- Implement the utilized malloc and free

SKILLS

Programming: C/C++, Python, F#, Assembly Language(x86-64)