

Wonseok Oh

Ph.D Student

Department of Computer Science and Engineering
College of Informatics, Korea University

Mobile Phone

+82 10 8630 5452

Email

wonseok_oh@korea.ac.kr

Homepage

<https://marinelay.github.io>

Research Areas

My research focuses on **Programming Language** and **Software Engineering**, specifically developing advanced program analysis techniques to automatically detect bugs and guarantee software reliability in complex systems.

Education

Mar 2024 - Present Ph.D. in Computer Science - Korea University

Mar 2022 - Feb 2024 M.S. in Computer Science - Korea University

Mar 2016 - Aug 2021 B.S. in Computer Science - Korea University (GPA 4.41 / 4.5)

Publications

1. Wonseok Oh, Hyobin Park, Miryeong Kang, Seungbin Choi, Yunja Choi, Hakjoo Oh. *PySTAAR: An End-to-End, Extensible Framework for Automated Python Type Error Repair*
ICSE 2026 Demo: IEEE/ACM International Conference on Software Engineering (Demonstrations Track)
2. Wonseok Oh, Hakjoo Oh. *TypeCare: Boosting Python Type Inference Models via Context-Aware Re-Ranking and Augmentation*
ICSE 2026: IEEE/ACM International Conference on Software Engineering
3. Wonseok Oh, Hakjoo Oh. *Towards Effective Static Type-Error Detection for Python*
ASE 2024: 39th IEEE/ACM International Conference on Automated Software Engineering
4. Wonseok Oh, Hakjoo Oh. *PyTER: Effective Program Repair for Python Type Errors*
ESEC/FSE 2022: ACM Joint European Software Engineering Conference and Symposium on the Foundations of Software Engineering

Professional Activities

■ Artifact Evaluation Committee (AEC) Members

- SAS 2025: 32nd Static Analysis Symposium

■ Patent

- Device and method for program repair for type errors in dynamically typed language

Talks

Oct 2024 KCSE 2023, *PyTER: Effective Program Repair for Python Type Errors*