KAIWEN YANG

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EDUCATION

Zhejiang University (ZJU), Hangzhou, China   Sep 2021 - Mar 2024 (expected)

M.Eng. in Software Engineering

Supervisor: Prof. Chao Ni

Research interests: Software Quality Assurance, Software Defect, AI4SE

University of Electronic Science and Technology of China (UESTC), Chengdu, China   Sep 2017 - Jun 2021

B.Eng. in Software Engineering

GPA: 3.9/4.0, Rank: 3/140

SELECTED PUBLICATIONS

- *Chao Ni, Kaiwen Yang, Yan Zhu, Xiang Chen, Xiaohu Yang.* Unifying Defect Prediction, Categorization, and Repair by Multi-task Deep Learning. In Proceedings of the 38th IEEE/ACM International Conference on Automated Software Engineering (ASE-Challenge 2023, **CCF-A**).

- *Chao Ni, Xin Yin, Kaiwen Yang, Dehai Zhao, Zhenchang Xing, Xin Xia.* Distinguishing Look-Alike Innocent and Vulnerable Code by Subtle Semantic Representation Learning and Explanation. In Proceedings of the 31th ACM Joint European Software Engineering Conference and Symposium on the Foundations of Software Engineering (FSE 2023, **CCF-A**).

- *Chao Ni, Wei Wang, Kaiwen Yang, Xin Xia, Kui Liu, David Lo.* The Best of Both Worlds: Integrating Semantic Features with Expert Features for Defect Prediction and Localization. In Proceedings of the 30th ACM Joint European Software Engineering Conference and Symposium on the Foundations of Software Engineering (FSE 2022, **CCF-A**).

OTHER PUBLICATIONS

- *Chao Ni, Xiaodan Xu, Kaiwen Yang, David Lo.* Boosting Just-in-Time Defect Prediction with Specific Features of C/C++ Programming Languages in Code Changes. In Proceedings of the 20th IEEE/ACM International Conference on Mining Software Repositories (MSR 2023, **CCF-C**).

- *Chao Ni, Cong Tian, Kaiwen Yang, David Lo, Jiachi Chen, Xiaohu Yang.* Automatic Identification of Crash-inducing Smart Contracts. In Proceedings of the 29th IEEE International Conference on Software Analysis, Evolution and Reengineering, (SANER 2022, **CCF-B**).

HORNORS AND AWARDS

- Outstanding Graduate   2021
- Merit Scholarship   2018 - 2021