Jiawei Li

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EDUCATION

Ph.D. Software Engineering, University of California, Irvine   (exp.) 2026
M.S. Computer Science, University of California, Irvine   2020
B.Eng. Software Engineering, Xi'an Jiaotong University   2019

SERVICES

Reviewer (Full length technical paper), IEEE Transactions on Reliability   2025
Shadow Research Track Program Committee Member, 2025 47th IEEE/ACM International Conference on Software Engineering (ICSE)   2024
Program Committee Member (Artifact Evaluation), 2025 47th IEEE/ACM International Conference on Software Engineering (ICSE)   2024
Reviewer (Full length technical paper), Transactions on Software Engineering and Methodology (TOSEM)   2024
Graduate Mentor, Global Research Experience in Artificial inTelligence (GREAT) Program   2023
Graduate Mentor, Global Research Experience in Artificial inTelligence (GREAT) Program   2022

PEER-REVIEWED PUBLICATIONS

[1] Md Rakib Hossain Misu, **Jiawei Li**, Adithya Bhattiprolu, Yang Liu, Eduardo Almeida, Iftekhar Ahmed. Test Smell: A Parasitic Energy Consumer in Software Testing. *Information and Software Technology*, 2025.

[2] Hyunjae Suh, Mahan Tafreshipour, **Jiawei Li**, Adithya Bhattiprolu, Iftekhar Ahmed. An Empirical Study on Automatically Detecting AI-Generated Source Code: How Far Are We?. *Proceedings of the 47th IEEE/ACM International Conference on Software Engineering (ICSE)*, 2025.

[3] **Jiawei Li**, David Farago, Christian Petrov, Iftekhar Ahmed. Only diff is Not Enough: Generating Commit Messages Leveraging Reasoning and Action of Large Language Model. *The ACM International Conference on the Foundations of Software Engineering (FSE)*, 2024. ***ACM SIGSOFT Distinguished Paper Award**

[4] **Jiawei Li**, Iftekhar Ahmed. Commit Message Matters: Investigating Impact and Evolution of Commit Message Quality. *Proceedings of the 45th IEEE/ACM International Conference on Software Engineering (ICSE)*, 2023.

[5] Tongjie Wang, Yaroslav Golubev, Oleg Smirnov, **Jiawei Li**, Timofey Bryksin, Iftekhar Ahmed. PyNose: A Test Smell Detector For Python. *36th IEEE/ACM International Conference on Automated Software Engineering (ASE)*, 2021.

[6] Jiri Gesi, **Jiawei Li**, Iftekhar Ahmed. An Empirical Examination of the Impact of Bias on Just-in-time Defect Prediction. *Proceedings of the 15th ACM/IEEE International Symposium on Empirical Software Engineering and Measurement (ESEM).*, 2021.

PAPERS IN PREPARATION

[7] Qihong Chen, **Jiawei Li**, Jiecheng Deng, Jiachen Yu, Justin Tian Jin Chen, Iftekhar Ahmed. A Deep Dive Into Large Language Model Code Generation Mistakes: What and Why?. *arXiv preprint arXiv:2411.01414*, 2024.

[8] Qihong Chen, **Jiawei Li** <*equal contribution*>, Hyunjae Suh, Lianghao Jiang, Zheng Zhou, Jingze Chen, Jiri Gesi, Iftekhar Ahmed. Does the Order of Fine-tuning Matter and Why? *arXiv preprint arXiv:2410.02915*, 2024.

[9] Md Rashedul Hasan, **Jiawei Li**, Iftekhar Ahmed, Hamid Bagheri. Automated Repair of Declarative Software Specifications in the Era of Large Language Models. *arXiv preprint arXiv:2310.12425*, 2023.

[10] Jiri Gesi, Siqi Liu, **Jiawei Li**, Iftekhar Ahmed, Nachiappan Nagappan, David Lo, Eduardo Santana de Almeida, Pavneet Singh Kochhar, Lingfeng Bao. 2022. Code Smells in Machine Learning

Systems. *arXiv preprint arXiv:2203.00803*, 2022.

[11] Yaroslav Golubev, **Jiawei Li**, Viacheslav Bushev, Timofey Bryksin, Iftekhar Ahmed. Changes from the trenches: Should we automate them?. *arXiv preprint arXiv:2105.10157*, 2021.