

Jiawei Li

PHD CANDIDATE · SOFTWARE ENGINEERING

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Education

University of California, Irvine

PHD SOFTWARE ENGINEERING

• Advisor: Dr. Iftekhar Ahmed

Irvine, CA

2021.09 - present

University of California, Irvine

MS COMPUTER SCIENCE

• Advisor: Dr. Iftekhar Ahmed

Irvine, CA

2019.09 - 2020.12

Xi'an Jiaotong University

BENG SOFTWARE ENGINEERING

Xi'an, China

2015.08 - 2019.06

Mentorship and service

- 2023 **Graduate Mentor - The Summer 2023 GREAT (Global Research Experience in Artificial inTelligence Program)**, University of California, Irvine
- 2022 **Graduate Mentor - The Summer 2022 GREAT (Global Research Experience in Artificial inTelligence Program)**, University of California, Irvine

Publications

PUBLISHED

- Jiawei Li, David Farago, Christian Petrov, Iftekhar Ahmed. 2024. 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 2024 (FSE).
- Jiawei Li, Iftekhar Ahmed. 2023. Commit Message Matters: Investigating Impact and Evolution of Commit Message Quality. Proceedings of the 45th International Conference on Software Engineering (ICSE).
- Tongjie Wang, Yaroslav Golubev, Oleg Smirnov, Jiawei Li, Timofey Bryksin, Iftekhar Ahmed. 2021. PyNose: A Test Smell Detector For Python. 2021 36th IEEE/ACM International Conference on Automated Software Engineering (ASE).
- Jiri Gesi, Jiawei Li, Iftekhar Ahmed. 2021. 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).

IN PREP

- Md Rakib Hossain Misu, Jiawei Li, Adithya Bhattiprolu, Yang Liu, Eduardo Almeida, Iftekhar Ahmed. 2023. Test Smell: A Parasitic Energy Consumer in Software Testing. arXiv preprint [arXiv:2310.14548](https://arxiv.org/abs/2310.14548)
- 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](https://arxiv.org/abs/2203.00803)
- Yaroslav Golubev, Jiawei Li, Viacheslav Bushev, Timofey Bryksin, Iftekhar Ahmed. 2021. Changes from the trenches: Should we automate them?. arXiv preprint [arXiv:2105.10157](https://arxiv.org/abs/2105.10157)

Skills

Python, Java, R, Machine Learning, Natural Language Processing, Large Language Models, Software Analysis