




XINYU LIAN

 [Homepage](#) |  lian7@illinois.edu |  [xylian86](#)

EDUCATION

University of Illinois Urbana-Champaign

Aug. 2024 – Present

Ph.D. in Computer Science

University of Illinois Urbana-Champaign

Aug. 2022 – May 2024

MS in Computer Science (Research-Oriented)

Advisors: Tianyin Xu and Darko Marinov

Zhejiang University

Sept. 2018 – June 2022

B.Eng. in Electronic and Computer Engineering

PUBLICATIONS

- **Universal Checkpointing: Efficient and Flexible Checkpointing for Large Scale Distributed Training**
Xinyu Lian, Sam Ade Jacobs, Lev Kurilenko, Masahiro Tanaka, Stas Bekman, Olatunji Ruwase, Minjia Zhang
arXiv preprint arXiv:2406.18820. 2024
- **[ICSE 2025] Large Language Models as Configuration Validators**
Xinyu Lian, Yinfang Chen, Runxiang Cheng, Jie Huang, Parth Thakkar, Minjia Zhang, Tianyin Xu
47th International Conference on Software Engineering
- **[FSE 2024] Ctest4J: A Practical Configuration Testing Framework for Java**
Shuai Wang, **Xinyu Lian**, Qingyu Li, Darko Marinov, Tianyin Xu
32nd ACM International Conference on the Foundations of Software Engineering, Demo Papers
- **[ICSE 2023] Test Selection for Unified Regression Testing**
Shuai Wang, **Xinyu Lian**, Darko Marinov, Tianyin Xu
45th International Conference on Software Engineering
- **[ABZ 2021] Towards Refinement of Unbounded Parallelism in ASMs Using Concurrency and Reflection**
Fengqing Jiang, Neng Xiong, **Xinyu Lian**, Senén González, Klaus-Dieter Schewe
8th International ABZ Conference on ASM, Alloy, B, TLA, VDM, Z

ACADEMIC SERVICES

Organizer

Brett Daniel Software Engineering Seminar

Artifact Evaluation Committee

SOSP'24

Volunteer

ICSE'23

SELECTED AWARDS & HONORS

Provincial Outstanding Graduate

2022