

Xinyue Li (李欣悦)

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EDUCATION

Peking University

Ph.D. in Computer Software and Theory (3rd Year)

Beijing, China

Sep 2023 - Present

- BYD Scholarship (2024-2025)
- **Merit Student Pacesetter (2024-2025)**
- Luo Yuehua Scholarship (2023-2024)
- Award for Academic Excellence (2023-2024)

Southwest University

B.S. in Computer Science

Chongqing, China

Sep 2019 - Jun 2023

- **GPA:** 94/100 (Rank: 1/123). Core courses: Advanced Mathematics (98), Probability (99), Statistical Theory (94), Computer Networks (99), Computer Organization (94), Operating Systems (94), Database Systems (95), Data Science (96), Data Structures (94), and Artificial Intelligence (93).
- **Student of the Year** (2021-2022), **top 15 out of 40,000** students, the highest undergraduate honor.
- **Presidential Scholarship** (2021-2022), the highest-level university scholarship.
- National Scholarship (2020-2021)
- The First Prize Scholarship (2019-2020)
- Outstanding Dissertation Award
- Outstanding Graduate Award

PUBLICATIONS

- **Xinyue Li**, Zhenpeng Chen, Jie M. Zhang, Federica Sarro, Ying Zhang, and Xuanzhe Liu. Bias Behind the Wheel: Fairness Testing of Autonomous Driving Systems. *ACM Transactions on Software Engineering and Methodology* 34, no. 3 (*TOSEM 2025*): 1-24. (CCF-A Journal)
- **Xinyue Li**, Zhenpeng Chen, Jie M. Zhang, Yiling Lou, Tianlin Li, Weisong Sun, Yang Liu, Xuanzhe Liu. Benchmarking Bias in Large Language Models During Role-Playing. In *Proceedings of the ACM International Conference on the Foundations of Software Engineering (FSE 2026)*. (CCF-A Conference)
- **Xinyue Li**, Sixuan Li, Ying Xiao, Jie Zhang, Zhou Yang, Zhenpeng Chen, Xuanzhe Liu. LLMs Are Not a Silver Bullet: A Case Study on Software Fairness. Under review. In *Proceedings of the IEEE/ACM International Conference on Automated Software Engineering (ASE 2026)*. (CCF-A Conference)
- Zhenpeng Chen, **Xinyue Li**, Jie M. Zhang, Federica Sarro, Yang Liu. Diversity Drives Fairness: Ensemble of Higher Order Mutants for Intersectional Fairness of Machine Learning Software. In *Proceedings of the 47th International Conference on Software Engineering (ICSE 2025)*. (CCF-A Conference)
- Zhenpeng Chen, **Xinyue Li**, Jie M. Zhang, Weisong Sun, Ying Xiao, Tianlin Li, Yiling Lou, Yang Liu. Software Fairness Dilemma: Is Bias Mitigation a Zero-Sum Game? In *Proceedings of the ACM International Conference on the Foundations of Software Engineering (FSE 2025)*. (CCF-A Conference)
- Mingxuan Hui, **Xinyue Li**, Lu Wang, Chengcheng Wan, Yifan Wang, Yimian Wang, Feiyue Song, Beining Shi, Yixi Li, Yaxiao Li. FLARE: Agentic Coverage-Guided Fuzzing for LLM-Based Multi-Agent Systems. Under review. In *Proceedings of the ACM SIGSOFT International Symposium on Software Testing and Analysis (ISSTA 2026)*. (CCF-A Conference)

- Yaxiao Li, Lu Wang, Chenxi Zhang, Qingshan Li, Siming Rong, Baiyang Wen, Xuyang Li, Kun Ma, Quanwei Du, KeYang Li, Lingfeng Pan, **Xinyue Li**, MingXuan Hui. Hypergraph Neural Network-based Multi-Granular Root Cause Localization for Microservice Systems. In *Proceedings of the ACM/IEEE International Conference on Automated Software Engineering (ASE 2025)*. (CCF-A Conference)

PROGRAMS

Jane Street INSIGHT Program 2026
Selected Participant (Software Engineering Track)

Citadel Securities Spring Research Symposium Mar 2026
Selected Presenter, Peking University Session

COMPETITIONS

China Collegiate Programming Contest (CCPC) 2021, China
Gold Medal

China Undergraduate Mathematical Contest in Modeling (CUMCM) 2020, China
First Prize

National Undergraduate Mathematics Competition (NUMC) 2020, China
Second Prize

Mathematical Contest in Modeling (MCM/ICM) 2021, USA
Honorable Mention

SERVICES

- Conference Reviewer: ACM International Conference on Software Engineering Shadow PC (2026)
- Student Volunteer: The 40th IEEE/ACM Automated Software Engineering Conference (ASE 2025), Seoul, South Korea

INTERESTS

- Marathon running, squash, piano