

Chun LI

Software Engineering Group, Nanjing University

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EDUCATION

Starting Sep 2022	Nanjing University Ph.D. Candidate in Software Engineering	Nanjing, China
Jun 2022 Sep 2018	Nanjing University B.S. in Software Engineering	Nanjing, China

RESEARCH INTERESTS

My primary research interests lie in Software Engineering, Machine Learning, and Trustworthy AI. Specifically, I focus on AI for Software Engineering (AI4SE), leveraging AI techniques to address software engineering challenges. I have published multiple papers in top-tier conferences and journals, covering topics such as Fault Localization (ICSE'25, FSE'25, ICSE'26), Code Completion (ASE'24), and Backdoor Attack (TDSC'25, ICASSP'26).

EXPERIENCE

Sep 2023 Dec 2023	Samsung Electronics (China) R&D Centre <i>Research Intern Mentor: Hui Li</i> Developed a deep learning-based fault localization model trained via contrastive learning between passed and failed logs. The model has been deployed to the test platform.	Nanjing, China
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PUBLICATIONS

S=IN SUBMISSION, C=CONFERENCE, W=WORKSHOP, P=POSTER/DEMO, J=JOURNAL

- [S.1] **Automated Classification, Root Cause Analysis, and Repair Recommendations for Failed Mobile Testing by Specialized LLM**
[Chun Li](#), Fei Wang, Minxue Pan, Zhong Li, Mengliang Zeng, Bin Zhang, Xuejiao Yu, Boyun Wang, Kaijian Hua, and Xuandong Li
[In Submission]
- [C.7] **Exploiting Backdoor Trigger Towards Unlearnable Examples**
[Chun Li](#), Yuanchen Xun, Zhong Li, Minxue Pan, and Xuandong Li
Proceedings of the 51st IEEE International Conference on Acoustics, Speech and Signal Processing [ICASSP'26, CCF-B]
- [C.6] **Learning without Forgetting: Towards Continual learning of Fault Localization Models in Industrial Software Systems**
[Chun Li](#), Hui Li, Zhong Li, Minxue Pan, and Xuandong Li
Proceedings of the 48th IEEE/ACM International Conference on Software Engineering [ICSE'26, CCF-A]
- [C.5] **TRAP: Mitigating Poisoning-based Backdoor Attacks by Treating Poison with Poison**
[Chun Li](#), Zhong Li, Minxue Pan, and Xuandong Li
IEEE Transactions on Dependable and Secure Computing [TDSC'25, CCF-A]
- [C.4] **Improving Graph Learning-Based Fault Localization with Tailored Semi-Supervised Learning**
[Chun Li](#), Hui Li, Zhong Li, Minxue Pan, and Xuandong Li
Proceedings of the ACM International Conference on the Foundations of Software Engineering [FSE'25, CCF-A]
- [C.3] **DroidCoder: Enhanced Android Code Completion with Context-Enriched Retrieval-Augmented Generation**
Xinran Yu, [Chun Li](#), Minxue Pan, Xuandong Li
Proceedings of the 39th IEEE/ACM International Conference on Automated Software Engineering [ASE'24, CCF-A]
- [C.2] **Enhancing Fault Localization in Industrial Software Systems via Contrastive Learning**
[Chun Li](#), Hui Li, Zhong Li, Minxue Pan, and Xuandong Li
Proceedings of the 47th IEEE/ACM International Conference on Software Engineering [ICSE'25, CCF-A]
- [C.1] **Enhancing Fault Localization in Industrial Software Systems via Contrastive Learning**
[Chun Li](#), Zhong Li, Minxue Pan, and Xuandong Li
Proceedings of the 23rd IEEE International Conference on Software Quality, Reliability, and Security [QRS'23, CCF-C]
- [P.1] **Mobile GUI test script generation from natural language descriptions using pre-trained model**
[Chun Li](#)
The 9th International Conference on Mobile Software Engineering and Systems [MobileSoft'2022]

HONOURS AND AWARDS

Outstanding Graduate Student, 2025

Mobile Light · Digital Intelligence Innovation Scholarship, 2025

Postgraduate Research & Practice Innovation Program of Jiangsu Province, 2025 I am the Principal Investigator of this grant. The project title is *Root Cause Analysis and Repair Recommendation for Failed Software Test Case via Large Language Models*.

CETC No. 14 Research Institute Guorui Scholarship, 2024

Outstanding Graduate Student, 2024

CETC No. 14 Research Institute Guorui Scholarship, 2023

President's Special Scholarship for Doctoral Candidates, 2022

Grand Prize, The 16th Citi Cup Financial Innovation Application Competition, 2021 | Nudger: A Portfolio Recommendation System Based on Analyst Networks As the Backend Architecture Lead, I was responsible for defining the microservices architecture and service boundaries. I also drove system performance improvements through Redis integration and SQL optimization, while establishing container-based workflows for CI/CD.

ACADEMIC SERVICE

Sub-Reviewer FSE'26, ICSE'26, TOSEM, TSE
Ethics Reviewer NIPS'25