

# Chun LI

## Software Engineering Group, Nanjing University

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### EDUCATION

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

### 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

<b>Sep 2023</b> <b>Dec 2023</b>	<b>Samsung Electronics (China) R&amp;D Centre</b> <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.	<b>Nanjing, China</b>
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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] **Mobile Test Script Generation from Natural Language Descriptions**  
[Chun Li](#), Yifan Xiong, Zhong Li, Wenhua Yang, Minxue Pan  
*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

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**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

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