

ZHU Zhouruixing (朱周睿星)

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EDUCATION

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| The Chinese University of Hong Kong, Shenzhen (CUHKSZ) | Shenzhen, China |
| <i>Ph.D. – Computer Science; Supervisor: Prof. Pinjia He</i> | <i>Sept 2024-Present</i> |
| <ul style="list-style-type: none">• Research Interest: Software Reliability, LLM4SE, AIOps, Log Analysis, RCA. | |
| The Chinese University of Hong Kong, Shenzhen (CUHKSZ) | Shenzhen, China |
| <i>M.Phil. – Computer and Information Engineering; Supervisor: Prof. Pinjia He</i> | <i>Aug 2022-Jul 2024</i> |
| <ul style="list-style-type: none">• Highlighted Courses: Stochastic Process, Data Analytics, Image Processing and Computer, Selected Topics in Cloud Computing. | |
| Nanjing University of Aeronautics and Astronautics (NUAA) | Nanjing, China |
| <i>Bachelor - Computer Science and Technology</i> | <i>Aug 2016-June 2020</i> |
| <ul style="list-style-type: none">• Highlighted Courses: Digital Image Processing, Formal Language and Automata Theory, Operating System, Database principle, Principle and Application of Software Engineering, Computer Network, Assembly Language. | |

PUBLICATIONS

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- [1] J. Xu*, **Z. Zhu***, F. Yu, Y. Wu, B. Wang, P. He, "InsLog: An All-in-One Logging Approach with Instruction Fine-tuning," in the ACM International Conference on the Foundations of Software Engineering, 2025, *Under Review*, **[CCF-A]**.
 - [2] Y. Wang, **Z. Zhu**, Q. Fu, Y. Ma, P. He, "MRCA: Metric-level Root Cause Analysis for Microservices via Multi-Modal Data", in the International Conference on Automated Software Engineering, 2024, *Just Accept*, **[CCF-A]**.
 - [3] **Z. Zhu**, C. Lee, X. Tang, P. He, "HeMiRCA: Fine-Grained Root Cause Analysis for Microservices with Heterogeneous Data Sources," in ACM Transactions on Software Engineering and Methodology, 2024, *Just Accept*, **[CCF-A]**.
 - [4] C. Lee, **Z. Zhu**, T. Yang, Y. Su, P. He, and M. R. Lyu, "SPES: Towards Optimizing Performance-Resource Trade-Off for Serverless Functions," in Proceedings of IEEE 40th International Conference on Data Engineering 2024, **[CCF-A]**.
 - [5] J. Xu, Q. Fu, **Z. Zhu**, Y. Cheng, Z. Li, Y. Ma, P. He, "Hue: A User-Adaptive Parser for Hybrid Logs," in Proceedings of the ACM Joint Meeting on European Software Engineering Conference and Symposium on the Foundations of Software Engineering, 2023: 413-424, **[CCF-A]**.
- (* Equal contribution)

EXPERIENCE

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| Zhongxing Telecommunication Equipment Corporation (ZTE) | Nanjing, China |
| <i>Software Testing Engineer & DevOps Engineer (Full-time)</i> | <i>Jul 2020-Jul 2022</i> |
| <ul style="list-style-type: none">• Testing & Quality Assurance: Led end-to-end testing activities, from requirements analysis to test case execution and defect tracking.• Infrastructure Management: Established and maintained test environments and systems, ensuring seamless deployments.• Automation Expertise: Designed and implemented an automated test framework, enhancing testing efficiency.• Continuous Integration: Managed continuous integration processes to boost system reliability. | |
| Huawei Technologies Co. Ltd. | Nanjing, China |
| <i>Software Develop Engineer (Internship)</i> | <i>Jul 2019-Oct 2019</i> |

- **Embedded Systems Development:** Developed switch instructions using C language, contributing to the enhancement of system functionality.
- **Material Management Tool Creation:** Designed and implemented material management tools for efficient input of material information, real-time equipment utilization display, and proactive tracking of underutilized equipment.

HONORS AND AWARDS

- **Honors**
 - Outstanding Student Scholarship**, Nanjing University of Aeronautics and Astronautics 2019
 - Postgraduate Academic Scholarship**, Nanjing University of Aeronautics and Astronautics 2017-2019
- **Competitions Awards**
 - Network Security Competition (CTF) (Top 6/300)**, ZTE Corporation 2021
 - Top Ten Sports Star**, Nanjing University of Aeronautics and Astronautics 2019
 - AI Practice Competition (Third-prize)**, School of Computer Science & Technology (NUAA) 2018

SKILLS

Languages: English, Mandarin

Coding: Python (proficient), C++, SQL

Modeling: Deep learning, Machine Learning

SERVICES

- **2025**
 - External Reviewer* – 47th International Conference on Software Engineering (ICSE 2025)
- **2024**
 - Program Committee* – 39th International Conference on Automated Software Engineering 2024 (ASE 2024, Industry Track)
 - External Reviewer* – 39th International Conference on Automated Software Engineering 2024 (ASE 2024)
 - External Reviewer* – 33rd International Symposium on Software Testing and Analysis (ISSTA 2024)
 - External Reviewer* – 46th International Conference on Software Engineering (ICSE 2024)
 - External Reviewer* – 33rd ACM International Conference on the Foundations of Software Engineering (FSE 2024)
- **2023**
 - External Reviewer* – 32nd ACM Joint European Software Engineering Conference and Symposium on the Foundations of Software Engineering (ESEC/FSE 2023)
 - External Reviewer* – 34th IEEE International Symposium on Software Reliability Engineering (ISSRE 2023)