

ZHE WANG

 [Homepage](#)  [Email \(zhe36@illinois.edu\)](mailto:zhe36@illinois.edu)  [Scholar \(1000+ Citations\)](#)  [Github \(2.5k+ Stars\)](#)

Research Interests

- **LLMs for Code:** to develop next-generation LLMs for code through post-training via reasoning and data-centric alignment.
- **Agents for Software Engineering:** to empower LLM agents with the capability of reasoning, collaborating and self-evolving for real-world software engineering tasks.
- **AI Cybersecurity:** to enhance the trustworthiness, reliability and security of software systems against cyberactivity attacks.

Education

University of Illinois at Urbana-Champaign

Ph.D. in Computer Science

Since 2026.08

Advisor: Lingming Zhang

University of Illinois at Urbana-Champaign

M.S. in Computer Science

2024.08 – 2026.05

Advisor: Lingming Zhang

Tsinghua University

B.S. in Mathematics and Physics

2020.09 – 2024.06

Advisor: Zhiyuan Liu

Publications

1. **[Preprint] Live-SWE-agent: Can Software Engineering Agents Self-Evolve on the Fly?**
Chunqiu Steven Xia, **Zhe Wang**, Yan Yang, Yuxiang Wei, Lingming Zhang.
arXiv preprint arXiv:2511.13646 [\[Paper\]](#) [\[Code\]](#) [\[Leaderboard\]](#)
2. **[NeurIPS'25] PurpCode: Reasoning for Safer Code Generation**
Jiawei Liu*, Nirav Diwan*, **Zhe Wang***, Haoyu Zhai, Xiaona Zhou, Kiet A. Nguyen, Tianjiao Yu, Muntasir Wahed, Yinlin Deng, Hadjer Benkraouda, Yuxiang Wei, Lingming Zhang, Ismini Lourentzou, Gang Wang.
The Thirty-ninth Annual Conference on Neural Information Processing Systems [\[Paper\]](#) [\[Code\]](#) [\[Dataset\]](#)
 **Won 1st place in Amazon Nova AI Challenge 2025 (\$250,000)**
3. **[ACL'25] MultiAgentBench: Evaluating the Collaboration and Competition of LLM Agents**
Kunlun Zhu*, Hongyi Du*, Zhaochen Hong*, Xiaocheng Yang*, Shuyi Guo*, **Zhe Wang***, Zhenhailong Wang, Cheng Qian, Xiangru Tang, Heng Ji, Jiaxuan You.
The 63rd Annual Meeting of the Association for Computational Linguistics [\[Paper\]](#) [\[Code\]](#)
4. **[ICML'24] Magicoder: Empowering code generation with oss-instruct**
Yuxiang Wei, **Zhe Wang**, Jiawei Liu, Yifeng Ding, Lingming Zhang.
Forty-first International Conference on Machine Learning [\[Paper\]](#) [\[Code\]](#) [\[Dataset\]](#)

Teaching Experiences

CS427: Software Engineering I

Supervised by Prof. Darko Marinov at UIUC

Jan 2026 – May 2026

CS427: Software Engineering I

Supervised by Prof. Lingming Zhang at UIUC

Aug 2025 – Dec 2025

CS427: Software Engineering I

Supervised by Prof. Darko Marinov at UIUC

Jan 2025 – May 2025

CS427: Software Engineering I

Supervised by Prof. Lingming Zhang at UIUC

Aug 2024 – Dec 2025

Technical Skills

Languages: Mandarin, English (TOEFL 109; Speaking 27)

Programming Languages: Python, Java, C, C++, SQL