Shihao Weng

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🌐 https://wengshihao.github.io/

Education

2024 – ⋯⋯	🔖 **Ph.D. student @ Nanjing University, China**. *Software Engineering.*
2022 – 2024	🔖 **Master @ Nanjing University, China.** *Software Engineering.*
2018 – 2022	🔖 **Bachelor @ JiangNan University, China.** *Computer Science and Technology.*

Research Interests

Quality Assurance for Complex AI Systems, Data Quality Assurance for AI, Software Engineering

Research Publications

1 **S. Weng**, Y. Feng, Y. Yin, Y. Dai, J. Liu, and Z. Zhao, "Seeing the invisible: Test prioritization for object detection system," *Empirical Software Engineering (EMSE)*, vol. 29, no. 6, p. 154, 2024. 🔗 DOI: 10.1007/s10664-024-10539-4.

2 Y. Yin, Y. Feng, **S. Weng**, Y. Yao, J. Liu, and Z. Zhao, "Datactive: Data fault localization for object detection systems," in *Proceedings of the 33rd ACM SIGSOFT International Symposium on Software Testing and Analysis*, 2024, pp. 895–907. 🔗 DOI: 10.1145/3650212.3680329.

3 **S. Weng**, Y. Feng, Y. Yin, and J. Liu, "Prioritizing testing instances to enhance the robustness of object detection systems," in *Proceedings of the 14th Asia-Pacific Symposium on Internetware*, **Distinguished Paper Award**, 2023, pp. 194–204. 🔗 DOI: 10.1145/3609437.3609446.

4 Y. Yin, Y. Feng, **S. Weng**, *et al.*, "Dynamic data fault localization for deep neural networks," in *Proceedings of the 31st ACM Joint European Software Engineering Conference and Symposium on the Foundations of Software Engineering*, 2023, pp. 1345–1357. 🔗 DOI: 10.1145/3611643.3616345.

Awards and Achievements

Awards and Honors

2023	🔖 **Outstanding Graduate Students of Nanjing University**, Awarded by Nanjing University.
	🔖 **National Scholarships for Graduate Students**, Awarded by MOE of China.
	🔖 **Distinguished Paper Award**, Internetware 2023.
2022	🔖 **CCF Outstanding Undergraduate Student of the Year**, Awarded by CCF.
2021	🔖 **National Scholarship for Undergraduate Students**, Awarded by MOE of China.
2020	🔖 **National Scholarship for Undergraduate Students**, Awarded by MOE of China.

Competition Achievements

2021	🔖 **Bronze Medal**, 45th ACM International Collegiate Programming Contest (ICPC), Asia Regional Contest.