

Curriculum Vitae

Personal Information

NAME: LI, YAO **Gender:** Male
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Education Experience

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|---|-------------------|--|-------------------------|----------|
| ➤ | 2021.09 - Now | Macau University of Science and Technology | Artificial Intelligence | Ph.D |
| ➤ | 2018.09 - 2021.07 | Shantou University | Computer Technology | Master |
| ➤ | 2014.09 - 2018.07 | Qufu Normal University | Software Engineering | Bachelor |

Project Experience

- **Contemporary Undergraduate Mathematical Contest in Modeling** 2016.09
 - Project results: First prize of Shandong Province in the CUMCM-2016
 - Main contributions: the selection and analysis of the competition, the writing of the thesis and the programming
- **National Innovation and Entrepreneurship Competition for College Students** 2016.04
 - Project results: Android music software, and won the first prize of the university
 - Main contributions: Software design and code implementation

Papers

- Yao Li, Tao Zhang, Xiapu Luo, Haipeng Cai, Sen Fang and Dawei Yuan, "Do Pretrained Language Models Indeed Understand Software Engineering Tasks?," IEEE Transactions on Software Engineering, 2023. (CCF A)
 - DOI: <https://doi.org/10.1109/TSE.2023.3308952>
- Yao Li, Zhi Xiong, Tao Zhang, Qinkun Zhang, Ming Fan, Lei Xue, "Ensemble Framework Combining Family Information for Android Malware Detection," The Computer Journal, 2022. (CCF B)
 - DOI: <https://doi.org/10.1093/comjnl/bxac114>
- Dawei Yuan, Xiaohui Wang, Yao Li, and Tao Zhang. 2023. "Optimizing smart contract vulnerability detection via multi-modality code and entropy embedding." Journal of Systems and Software, 2023. (CCF B)
 - DOI: <https://doi.org/10.1016/j.jss.2023.111699>
- Wei Luo, Yemao Luo, Yao Li, and Tao Zhang, "StructureTester: Automatic Machine Translation Testing Based on Variation Feature Vector." QRS 2023. (CCF C)
 - DOI: <https://doi.org/10.1016/j.cose.2020.102086>
- Lingru Cai, Yao Li, and Zhi Xiong, "JOWMDroid: Android malware detection based on feature weighting with joint optimization of weight-mapping and classifier parameters." Computers & Security, 2020. (CCF B)
 - DOI: <https://doi.org/10.1016/j.cose.2020.102086>
- Y. Li, W. Cai, Y. Li, and X. Du, "Key Node Ranking in Complex Networks: A Novel Entropy and Mutual Information-Based Approach," Entropy, vol. 22, no. 1, p. 52, Dec. 2019.
 - DOI: <https://doi.org/10.3390/e22010052>

Skills and Certificates

- **Python:** Proficient in Python, adept at utilizing its libraries for effective software development and data analysis.
- **Deep Learning Frameworks:** Experienced with PyTorch, focusing on neural network model development and deployment.
- **Large Language Models:** Skilled in using open-source large language models such as Hugging Face's Transformers and Llama for advanced natural language processing and AI-driven tasks.