Qiping Wei

PhD Student

Profile

A dedicated and principled researcher with a strong passion for exploring machine learning techniques and large language models (LLMs) to address complex engineering challenges.

Publications

Jul. 2024 — Sligpt: A Large Language Model-Based Approach for Data Dependency Analysis on Solidity Smart Contracts (Journal: **Software**)

Jun. 2024 — A Coverage-Driven Approach to Symbolic Execution of Smart Contracts (Journal: **DLT**)

Oct. 2023 — SmartExecutor: Coverage-Driven Symbolic Execution Guided by a Function Dependency Graph (**BRAINS 2023**)(awarded as one of the best papers)

Apr. 2023 — MagicMirror: Towards High-Coverage Fuzzing of Smart Contracts (**ICST 2023**)

Education

present ↑ 2020

Ph.D.
University of Texas at Arlington (UTA)

Awarded in 2019

M.S.
University of Texas at Arlington (UTA)

Awarded in 2015

B.S.
Huazhong University of Science and Technology (HUST)

Work Experience

2016 ↑ 2011

Office Assistant (part-time)
Distance Learning and Continuing Education Branch of National Research Association of Computer Education in Colleges and Universities of China

- Typeset academic papers for publication
- Collect and organize courseware for a national courseware evaluation event

Services

present ↑ 2020

Editor
Serve as an editor for the Journal of Computer Technology and Education (in Chinese)

Volunteer Judge
Judge for Innovation Day, April 2023 & April 2024

Contact

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Awards

- Awarded as one of the best teaching assistants in 2024.

Skills

- *Programming Languages:* Python, Java, C#, C++, Javascript, R, HTML, Bash, and Batch

- *Common Development IDEs:* Spider, PycharmIDE, Eclipse, VSCode, and Visual Studio

- *Microsoft Offices:* Word, Excel, PowerPoint, and Access

Languages

Chinese	Fluent
English	Intermediate

Hobbies

- Meditation
- Yoga
- Martial art
- Piano