

Yang Wu

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EDUCATION

Huazhong University of Science and Technology	GPA: 3.59/4.00
M.E., Computer Science	2022 - 2025
Wuhan University of Technology	GPA: 4.08/5.00
B.E. (Graduate with Honors), Computer Science	2018 - 2021

RESEARCH INTERESTS

Code Intelligence, e.g., code generation, code summarization
Human-Computer Interaction, especially AI for tabular data and visualization, e.g., NL2Vis, NL2Formula
Natural Language Processing, e.g., Text2SQL

PUBLICATIONS

- [1] Automated Data Visualization from Natural Language via Large Language Models: An Exploratory Study
Yang Wu, Yao Wan*, Hongyu Zhang, Yulei Sui, Wucai Wei, Wei Zhao, Guandong Xu, Hai Jin
SIGMOD 2024. *The ACM Special Interest Group on Management of Data*
- [2] Graph Neural Networks for Vulnerability Detection - A Counterfactual Explanation
Zhaoyang Chu, Yao Wan*, Qian Li, **Yang Wu**, Hongyu Zhang, Yulei Sui, Guandong Xu, Hai Jin
ISSTA 2024. *The ACM SIGSOFT International Symposium on Software Testing and Analysis*

PROJECTS

- Exploring LLMs for NL2Vis** April 2023 – July 2023
- Conduct an empirical study to evaluate LLMs potential in generating visualizations.
 - Investigate different approaches to feed the structured tabular data into LLMs.
 - Propose to iteratively update the results via optimization strategies.
 - Published at SIGMOD 2024, first author.
- Exploring LLMs as Evaluator for Code Summarization** Sep. 2023 – Dec. 2023
- Explore LLMs for assessing code summarization without references.
 - Prompt LLMs to adopt diverse roles in evaluating generated summaries across multiple dimensions.
 - Find LLM-based evaluator significantly improves the correlation with human perception.
 - Submitted to ICSE 2024, first author.

PATENTS

- [1] Order distribution methods, devices, computer equipment and readable storage media.
Bing Shi, Yang Wu, Hongmeng Liu, Liming Liu, Liquan Zhu. *Under review*.

TEACHING

Teaching Assistant at Huazhong University of Science and Technology 2022-2023
Compiler Principles and Techniques.

HONORS

Excellent Student Cadre	2022-2023
First-class Scholarship for Postgraduates	2022-2023
Outstanding Undergraduate	2022
National Inspirational Scholarship	2018-2021