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

Human-Computer Interaction, especially AI for tabular data and visualization, e.g., NL2Vis, Sign2Vis

Code Intelligence, e.g., code generation, code summarization

Natural Language Processing, e.g., Text2SQL

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.

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*

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