

Weixi Tong

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Education

Huazhong University of Science and Technology

B.ENG. IN COMPUTER SCIENCE AND ENGINEERING

GPA: 89.2 / 100

Wuhan, China

Sep. 2021 – Jun. 2025 (Expected)

Publication

CONFERENCE PROCEEDINGS

CODEJUDGE: Evaluating Code Generation with Large Language Models

Weixi Tong, Tianyi Zhang

EMNLP, 2024. [\[Paper\]](#) [\[Code\]](#)

Research Experience

University of Illinois Urbana-Champaign

RESEARCH ASSISTANT, ADVISED BY [PROF. LINGMING ZHANG](#)

Online

Sep. 2024 – now

- **Research Topics:** automated program repair and its evaluation.
- Proposed an automated program repair benchmark collected from real hacking test cases in algorithm competitions.

Purdue University

RESEARCH ASSISTANT, ADVISED BY [PROF. TIANYI ZHANG](#)

Online

May 2023 – now

- **Research Topics:** code generation and its evaluation, LLM applications in HCI, hallucination detection.
- Proposed CODEJUDGE, a code evaluation framework that leverages LLMs to reliably evaluate the semantic correctness of code without the need for test cases.
- Developed a mixed-initiative LLM-based system that enables users to generate data wrangling scripts interactively.
- Led the research project on LLM hallucination detection for question answering tasks.

Projects

Mixed-Initiative LLM-based Data Wrangling System [\[Paper under review\]](#)

Online

RESEARCH ASSISTANT AT PURDUE UNIVERSITY, COLLABORATED WITH PH.D. STUDENT, WEIHAO CHEN

Feb. 2024 – Sep. 2024

- Developed an LLM-based backend that supports intent clarification, multi-table demonstrations, and feedback-assisted script refinement.

BioBirdEye, an AI-based bio-experiment assistance system [\[Code\]](#)

Online

UNDERGRADUATE INTERNSHIP AT [CoRE LAB](#) OF PEKING UNIVERSITY

Jan. 2023 – Jan. 2024

- Designed an efficient Domain-Specific Language (DSL) and a workflow to parse natural language protocols using the constraint of the DSL.
- Inspired by data flow in computer science, proposed *reagent flow* to prevent illegal output of DSL parameters generated by LLMs.

ChatLaw, a project aimed at providing legal aid services for ordinary people [\[Code\]](#)

Wuhan, China

CORE DEVELOPER.

Jun. 2022 – Jun. 2023

- Developed a framework for finding similar legal verdicts using vector similarity matching and fuzzy search techniques.
- Fine-tuned the ChatLaw-Text2Vec model and developed the backend of the website.

Honors & Awards (Selected)

2024 **Technology Innovation Scholarship**, Huazhong University of Science and Technology

2023 **AI Education Base Scholarship 2023**, Huawei Technologies Co., Ltd.

2022 **Finalist**, Oceanbase Database Competition

2022 **AI Education Base Scholarship 2022**, Huawei Technologies Co., Ltd.

Teaching Experience

2023 **Compiler Principles**, Teaching Assistant

Wuhan, China