Mingni Tang

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Education

Wuhan University (WHU) **Wuhan, China**

School of Computer Science B.S. GPA:3.738/4.00 Average Score:89.22 Rank:21/243 Top 8.6% 2021–present

Coursework: Digital Image Processing and Application 97, Software Engineering Economics 95, Probability and Mathematical Statistics 92, ComputerSystem: A programer perspective 92, General Psychology 100.

Publications

- **First author** of " Pyramidal-Graded Response for Large Lanague Model on Youth Safety ", **ACL2024**, preprint.
- **Co-first author** of " The Music Maestro or The Musically Challenged, A Massive Music Evaluation Benchmark for Large Language Models ", **ACL2024**, preprint.

Research Experience

Wuhan University, Artificial Intelligence Lab *Research Assiant* Advisor:Zuchao Li

Topic: Natural Language Processing, Youth Safety, LLM music Oct 2023–present

- Developed a Pyramidal-Graded Response (PGR) strategy to customize safety interventions for youth, achieving a 20% to 30% improvement in effectiveness over the original responses generated by LLMs.
- Presented ZIQI-Eval, a comprehensive benchmark specifically designed to evaluate the music-related capabilities of LLMs, covering 10 major themes and 56 subthemes. Conduct a comprehensive evaluation of 15 LLMs.

Wuhan University, Software Engineering Lab *Research Assiant* Advisor:Jian Wang

Topic: Cloud Computing, Artificial Intelligence for IT Operation Dec 2022–Oct 2023

- Focused on anomaly detection and root cause localization in Cloud-Native Environments. Notably contributed to enhancing the root cause by integrating the GraphSAGE graph neural network, achieving a 7.1% improvement.
- Engaged in the application of root cause localization algorithms to practical scenarios, leading the development of relevant software projects. Successfully published 1 copyright of computer software.

Projects

EasyRoot Javaweb May 2023–Aug 2023

- A comprehensive operation and maintenance software that offers system monitoring, and fault classification.
- Responsible for data visualization and research of fault classification algorithm.
- The project comprises a total of 17,692 lines of code and was awarded the National First Prize in the China Undergraduate Software Cup competition.

MicroARC Javaweb Mar 2023–May 2023

- A Graph Neural Network-Based Microservices System Intelligent Operation and Maintenance Platform.
- My core responsibilities included frontend software development and root cause identification algorithms.
- A copyright for the software has been applied for. This project consists of 23,351 code lines and was awarded the National First Prize in the China Computer Design Competition. Relevant links: media coverage.

Honors and Awards

Gold Medal, Provincial, China Undergraduate Mathematical Contest in Modelling (CUMCM)	Nov 2023
Gold Medal, National, Top 20 out of 5767(0.34%), China Undergraduate Softeware Cup (CUSC)	Aug 2023
Gold Medal, National, Rank 1 out of 3911(0.025%),Chinese Collegiate Computing Design (BLCU)	Jul 2023
Silver Medal, Provincial, China Collegiate Computing Contest (4C)	Jun 2023
Second-class Scholarship; Top 8% schoolwide	Oct 2023
Merit Student; Top 5% schoolwide	Oct 2023
outstanding Student; Top 15% schoolwide	Oct 2022
Second-class Scholarship; Top 15% schoolwide	Oct 2022