

Haonan (Howie) Wang

Ph.D. Student | Graduate Research & Teaching Assistant
Department of Computer Science and Software Engineering
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Research Interest

LLMs Agent Reasoning and Evaluation, with a focus on **Legal AI** and **Multi-Agent Reasoning**

Education

Auburn University, Auburn, AL, USA Aug. 2026 – Present

Doctor of Philosophy (Ph.D.) in Computer Science

- Department of Computer Science and Software Engineering
- Advisor: Effat Farhana

Johns Hopkins University, Baltimore, MD, USA Aug. 2023 – May 2025

Master of Science in Engineering (M.S.E.) in Computer Science

- Department of Computer Science | JHU Center for Language and Speech Processing (CLSP)
- Advisor: Ziang Xiao, Jason Eisner, Jie Gao
- Collaboration: Xingdi Yuan(Microsoft Research), Ruoyao Wang(Central University of Finance and Economics), Ting-Hao 'Kenneth' Huang(The Pennsylvania State University)
- GPA: 3.8/4.0

Liaoning Technical University, Fuxin, Liaoning, China Sep. 2019 – Jun. 2023

Bachelor of Science (B.S.) in Information and Computing Science

- Department of College of Science | Institute of Machine Learning and Data Mining
- Advisors: Wei Liu, Yu Zhang
- Collaboration: Prof.Guangwei Liu, Prof.Runcai Bai, Prof.Yishan Pan(Academician of the Chinese Academy of Engineering)
- GPA: 3.42/4.5; Ranked **1st**

Publications

Conference and Workshop Papers:

- [6] "From Noise to Nuance: Enriching Subjective Data Interpretation through Qualitative Analysis."
Ruiyuan Wan, **Haonan Wang**, Ting-Hao Kenneth Huang, and Jie Gao.
4th HCI + NLP Workshop at EMNLP, 2025.
- [5] "ByteSized32Refactored: Towards an Extensible Interactive Text Games Corpus for LLM World Modeling and Evaluation."
Haonan Wang, Junfeng Sun, Xindi Yuan, Ruoyao Wang, and Ziang Xiao.
5th WordPlay Workshop at EMNLP, 2025.

Journal Articles:

- [4] "Unsupervised Feature Selection Algorithm Based on L2,p-norm Feature Reconstruction."

Wei Liu, Qian Ning, Guangwei Liu, **Haonan Wang**, Yixin Zhu, and Miao Zhong.
PLOS ONE, 2024.

[3] “Research on Geometric Figure Classification Algorithm Based on Deep Learning.”
 Ruiyang Wang, **Haonan Wang**, Junfeng Sun, Mingjia Zhao, and Meng Liu.
Advances in Artificial Intelligence and Machine Learning, 2022.

[2] “Research Status and Future Prospects of Machine Learning Algorithms in Big Data Analysis.”
Haonan Wang.
Scientific Journal of Intelligent Systems Research, 2021.

Research Projects:

[1] “PerspectiveCoder-LM: An LLM-based Multi-agent System for Large-scale Corpus Inductive Text Coding Analysis.”
Haonan Wang, Ziang Xiao, and Jie Gao.
 2025.

Research Experience

Research Assistant Collaborative Software Engineering Lab Auburn University	Aug. 2026 – Present
Research Assistant ISLa Lab Johns Hopkins University	Jun. 2024 – Feb. 2026
Research Intern EACON (Beijing Easy Control Intelligent Driving Technology Co., Ltd.)	Jul. 2024 – Aug. 2024
Image Data Annotation Research Assistant Computational Cognition, Vision, and Learning Lab Johns Hopkins University	Mar. 2024 – Apr. 2024
Research Assistant Institute of Mathematics and Systems Science Liaoning Technical University	Sep. 2021 – Sep. 2023

Teaching Experience

Auburn University	
- Graduate Teaching Assistant, Introduction to Computing with MATLAB (COMP 1230)	Fall 2026
Department of Computer Science and Software Engineering. Supported undergraduate instruction in introductory computing and MATLAB programming.	

Honors and Awards

China National Scholarship (Top 1%) , Ministry of Education of the People’s Republic of China	2022
Outstanding Student Scholarship, Special Prize (Top 1%) , Liaoning Provincial Government	2023
Outstanding Student Scholarship, First Prize (Top 10%) , Liaoning Technical University	2019–2022

Last updated on September 5, 2026