

# Yangfan Hu

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## EDUCATION

### University of Wisconsin–Madison

Madison, WI, USA

*M.S. in Computer Sciences, School of Computer, Data & Information Sciences; GPA: 3.88/4.00 Sep 2025 – Present*

### Zhejiang University

Hangzhou, Zhejiang, China

*B.E. in Software Engineering, College of Computer Science & Technology; GPA: 3.85/4.00 Sep 2018 – Jun 2022*

## PUBLICATIONS & MANUSCRIPTS

### Understanding and Preserving Safety in Fine-Tuned LLMs

arXiv

Jiawen Zhang, **Yangfan Hu**, Kejia Chen, Lipeng He, Jiachen Ma, Jian Lou, Dan Li, Jian Liu, Xiaohu Yang, Ruoxi Jia

*Accepted to ACM CCS 2026*

**Contribution:** Collaborated on literature review, algorithm analysis, and manuscript writing.

### Understanding Why Language Models Hallucinate: Testing Reasoning Against Priors

Under review

**Yangfan Hu\***, Xuhan Tong\*, Haoyue Bai\*, Xi Ding, Shashank Muralidhar Bharadwaj, Siyang Cao, Robert D. Nowak, Jiawei Zhang

*Submitted to EMNLP 2026*

**Contribution:** Co-led the literature review; collected data and designed benchmark questions; ran experiments; analyzed results; contributed to manuscript writing.

\* Equal contribution.

## RESEARCH EXPERIENCE

### Prof. Jiawei Zhang's Research Group

Madison, WI

*Research Intern, LLM Hallucination and Reasoning Evaluation*

*Jan 2026 – Present*

- Evaluated LLM hallucination by testing reasoning behavior against prior beliefs and shortcut patterns.
- Collected data, designed benchmark questions, ran model experiments, analyzed results, and contributed to a manuscript submitted to EMNLP 2026.

## TEACHING EXPERIENCE

### University of Wisconsin–Madison

Madison, WI

*Teaching Assistant, CS 400: Programming III*

*Fall 2025*

### University of Wisconsin–Madison

Madison, WI

*Teaching Assistant, CS 320: Data Science Programming II*

*Spring 2026*

## PROFESSIONAL EXPERIENCE

### miHoYo/HoYoverse

Shanghai, China

Jul 2022 – Jul 2025

### Game Server Developer, C++20

**Full-time**

- Built full-stack internal tools for account copying and bug reproduction workflows, reducing bug reproduction time by 97%.
- Diagnosed and resolved a data race in a high-frequency random sampling function invoked thousands of times per second per thread.
- Designed and implemented a configurable event-driven logic system with Boolean operators and expression trees; the abstraction was adopted by 7+ independent modules.
- Migrated a legacy Makefile-based build system to CMake, adopted the Clang toolchain and precompiled headers, and reduced compilation time by 92%.

## TECHNICAL SKILLS

**ML & Data:** Python, PyTorch, Hugging Face Transformers, NumPy, pandas, scikit-learn

**Programming & Systems:** C/C++, Java, Linux, Git, Docker, CMake, L<sup>A</sup>T<sub>E</sub>X