

# Hongtao Hao

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CONTACT INFORMATION	1210 W. Dayton St., Rm 3239 Madison, WI 53706	hongtaoh@cs.wisc.edu <a href="http://hongtaoh.com">hongtaoh.com</a>
EDUCATION	<b>University of Wisconsin-Madison</b> , Madison, WI Ph.D. in Computer Sciences	Summer 2026 (expected)
	<b>Indiana University</b> , Bloomington, IN M.A. in Media Arts and Sciences, GPA: 4.00/4.00 • Committee: Nicole Martins, Danielle Kilgo, Bryant Paul	May 2020
	<b>Renmin University of China</b> , Beijing, China M.A. in Journalism, GPA: 3.92/4.00	June 2018
	<b>Hebei Normal University</b> , Shijiazhuang, China B.A. in English (Translation), GPA: 3.92/4.00	June 2016
PUBLICATIONS	Hatfield, H. R., <b>Hao, H.</b> , Klein, M. S., Zhang, J., Fu, Y., Kim, J., Lee, J., Ahn, S. J. (2024). <b>Addressing Whiteness in Communication Scholar Composition and Collaboration across Seven Decades of ICA Journals (1951-2022)</b> . <i>Journal of Communication</i> . (Co-first author, equal contribution)	
	Guo, J., Mohanty, V., Piazzentin Ono, J. H., <b>Hao, H.</b> , Gou, L., & Ren, L. (2024, May). <b>Investigating Interaction Modes and User Agency in Human-LLM Collaboration for Domain-Specific Data Analysis</b> . In <i>Extended Abstracts of the CHI Conference on Human Factors in Computing Systems</i> (pp. 1-9).	
	Guo, J., Mohanty, V., <b>Hao, H.</b> , Gou, L., & Ren, L. (2024, March). <b>Can LLMs Infer Domain Knowledge from Code Exemplars? A Preliminary Study</b> . In <i>Companion Proceedings of the 29th International Conference on Intelligent User Interfaces</i> (pp. 95-100).	
	<b>Hao, H.</b> 2023. Selfie-editing among young Chinese women may have little to do with self-objectification. <i>Current Psychology</i> , 1-18. [ <a href="#">Link</a> ], [ <a href="#">Data and Codes</a> ], [ <a href="#">Pre-registration</a> ]	
	<b>Hao, H.</b> , Cui, Y., Wang, Z., Kim, Y.S. 2022. Thirty-two Years of IEEE VIS: Authors, Fields of Study and Citations. <i>IEEE Transactions on Visualization and Computer Graphics</i> . [ <a href="#">PDF</a> ], [ <a href="#">Source code</a> ], [ <a href="#">Demo</a> ]	
WORKING EXPERIENCE	<b>Robert Bosch LLC</b> , Sunnyvale, CA, USA <i>Research intern (Prompt engineering &amp; HCI)</i>	June 2023 - August 2023
	<ul style="list-style-type: none"><li>Developed a front-end interface to allow engineers interact with LLMs for data analysis</li><li>Utilized Langchain and OpenAI API to generate and rate automatic responses based on input data</li><li>Led to the publication of <b>Can LLMs Infer Domain Knowledge from Code Exemplars? A Preliminary Study</b></li></ul>	
	<b>YY Lab, Indiana University</b> , Bloomington, IN, USA <i>Data visualization research assistant</i>	August 2020 - May 2021
	Assisted Professor <b>Yong-Yeol ("YY") Ahn</b> with the <b>Covid-19 Trend Visualizations project</b> ( <b>Top 10 Liked</b> notebooks on Observable in 2020)	

- Updated the **data workflow**
- Implemented the delay parameter, play speed parameter, go back parameter, and date range slider
- Improved the **website design**

### St.Gallen Symposium Magazine, St.Gallen, Switzerland

*Student journalist*

May 2019

Worked with 13 team members from seven countries and four continents, supervised by **Andrew Curry**, with the group output of a **56-page magazine**. Representative work:

- *"It's not just about spending more money"*, Interviewing Heng Swee Keat, Deputy Prime Minister of Singapore;
- *Freeman Shen's electric dream*, Interviewing Freeman Shen, CEO of WM Motor — a leading Chinese electric car maker;
- *What role should governments play?*, Interviewing young politicians from India, Argentina, and Sri Lanka

### TEACHING EXPERIENCE

#### Department of Computer Sciences, University of Wisconsin-Madison, Madison, WI, USA

*Teaching Assistant*

August 2021 - Present

**CS 571 Building User Interfaces** (2024 Spring, 2023 Sprint & Fall), Cole Nelson, around 150 students

**CS 540 Introduction to Artificial Intelligence** (2024 & 2022 Summer), Young Wu, around 40 students

**CS 570 Introduction to Human Computer Interaction** (2022 Spring & Fall), Prof. Jacob Thebault-Spieker, 193 students

**CS 639 Data Visualization** (2021 Fall), Prof. Yea-Seul Kim, 50 students

#### The Media School, Indiana University, Bloomington, IN, USA

*Associate Instructor*

January - May 2020

**Led group discussions** for 40 students enrolled in **MSCH-C101 Introduction to Media**

*Graduate Assistant*

August 2018 - December 2019

**MSCH-C207 Introduction to Media Industry and Management**, 125 students

**MSCH-C200 Videogame Industry: System and Management**, 60 students

#### New Oriental Education and Technology Inc., Beijing, China

*TOEFL Writing Instructor*

June - July 2018, June - July 2016

Prepared high school students and college undergrads for the Writing section of TOEFL, with more than 200 hours of practice

### SERVICE

- IEEE VIS 2023, reviewer for one paper

### HONORS AND AWARDS

Second Top Student Paper Award, International Communication Association 2019

Wings of Excellence Award, 47<sup>th</sup> St.Gallen Symposium, Switzerland 2017

First Prize Academic Scholarship, Renmin University of China 2017

🏆 National Champion (1<sup>st</sup>/200,000), First "FLTRP Cup" English Reading Contest, Beijing 2015

National Endeavor Fellowship, Hebei Normal University 2015, 2014

### SKILLS

- Programming: **Python, Julia, R, Javascript, HTML/CSS**
- Tools: **L<sup>A</sup>T<sub>E</sub>X**, Final Cut Pro