

# 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 August 2021 - May 2026 (Expected) <ul style="list-style-type: none"><li>Coursework: <i>Introduction to Optimization, Machine Learning, Introduction to Artificial Intelligence, Modeling User Interaction, Data Visualization, Human Computer Interaction, Building User Interfaces</i></li></ul> <b>Indiana University</b> , Bloomington, IN M.A. in Media Arts and Sciences, GPA: 4.00/4.00 May 2020 <ul style="list-style-type: none"><li>Committee: Nicole Martins, Danielle Kilgo, Bryant Paul</li><li>Coursework: <i>Introduction to Bayesian Data Analysis I, Data Visualization, Quantitative Methods for Public Health Research, Introduction to Statistics in Media Research, Content Analysis, Media Theories, Children and Media, Applying Social Science Research Methods to Media</i></li></ul> <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	
WORKING EXPERIENCE	<b>Robert Bosch LLC</b> , Sunnyvale, CA, USA <i>Research intern</i> June 2023 - August 2023 Worked on a project utilizing large language models for data analysis and data visualization <b>YY Lab, Indiana University</b> , Bloomington, IN, USA <i>Data visualization research assistant</i> August 2020 - May 2021 Assisted Professor Yong-Yeol ("YY") Ahn with the <i>Covid-19 Trend Visualizations project</i> (Top 10 Liked notebooks on Observable in 2020) <ul style="list-style-type: none"><li>Updated the <i>data workflow</i></li><li>Implemented the delay parameter, play speed parameter, go back parameter, and date range slider</li><li>Improved the <i>website design</i></li></ul> <b>St.Gallen Symposium Magazine</b> , St.Gallen, Switzerland <i>Student journalist</i> May 2019 Worked with 13 team members from seven countries and four continents, supervised by <i>Andrew Curry</i> , with the group output of a <i>56-page magazine</i> . Representative work: <ul style="list-style-type: none"><li><i>"It's not just about spending more money"</i>, Interviewing Heng Swee Keat, Deputy Prime Minister of Singapore;</li><li><i>Freeman Shen's electric dream</i>, Interviewing Freeman Shen, CEO of WM Motor — a leading Chinese electric car maker;</li><li><i>What role should governments play?</i>, Interviewing young politicians from India, Argentina, and Sri Lanka</li></ul>	
PUBLICATIONS	Hao, H. 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> ]	

Hao, H., Cui, Y., Wang, Z., Kim, Y.S. 2022. Thirty-two Years of IEEE VIS: Authors, Fields of Study and Citations. *IEEE Transactions on Visualization and Computer Graphics*. [PDF], [Source code], [Demo]

SELECT PROJECTS	<b>Visualizing 120 Years of Summer Olympic Games</b> [Web], [Code], [PDF]		
	A data visualization project for Professor YY Ahn's <i>INFO I590 Data Visualization</i> in 2019 Fall		
	<b>Notes on Network Science</b> [Web], [Code], [PDF]		
	My notes while auditing Professor YY Ahn's online course of <i>INFO I606 Network Science</i>		
	<b>How to Create Online Books</b> [Web], [Code]		
	A tutorial on creating online documentation/books		
TEACHING EXPERIENCE	<b>D3Book Companion</b> [Web], [Code], [PDF]		
	A simple tutorial website helping beginners learn D3.js		
	<b>Hugo-HT</b> [Demo], [Code]		
	A website template based on Hugo		
	<b>Hupyter</b> [Example], [Code]		
	A lightweight tool to convert Jupyter Notebooks to Hugo blog posts		
SERVICE	<b>Department of Computer Sciences</b> , University of Wisconsin-Madison, Madison, WI, USA		
	<i>Teaching Assistant</i>		August 2021 - Present
	<i>CS 571 Building User Interfaces</i> (2023 Sprint), Cole Nelson, 172 students		
	<i>CS 540 Introduction to Artificial Intelligence</i> (2022 Summer), Young Wu, 33 students		
	<i>CS 570 Introduction to Human Computer Interaction</i> (2022 Spring & Fall), Prof. Jacob Thebault-Spieker, 193 students		
	<i>CS 639 Data Visualization</i> (2021 Fall), Prof. Yea-Seul Kim, 50 students		
	<b>The Media School</b> , Indiana University, Bloomington, IN, USA		
	<i>Associate Instructor</i>		January - May 2020
	<b>Led group discussions</b> for 40 students enrolled in <i>MSCH-C101 Introduction to Media</i>		
	<i>Graduate Assistant</i>		August 2018 - December 2019
HONORS AND AWARDS	<i>MSCH-C207 Introduction to Media Industry and Management</i> , 125 students		
	<i>MSCH-C200 Videogame Industry: System and Management</i> , 60 students		
	<b>New Oriental Education and Technology Inc.</b> , Beijing, China		
	<i>TOEFL Writing Instructor</i>		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		
	<ul style="list-style-type: none"> <li>IEEE VIS 2023, reviewer for one paper</li> </ul>		
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