

Hongtao Hao

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| CONTACT INFORMATION | 1210 W. Dayton St., Rm 3239 Madison, WI 53706 | hongtaoh@cs.wisc.edu hongtaoh.com |
| EDUCATION | University of Wisconsin-Madison , Madison, WI Ph.D. in Computer Sciences August 2021 - May 2026 (Expected) <ul style="list-style-type: none">Coursework: <i>Machine Learning, Introduction to Artificial Intelligence, Modeling User Interaction, Data Visualization, Human Computer Interaction, Building User Interfaces</i> Indiana University , Bloomington, IN M.A. in Media Arts and Sciences, GPA: 4.00/4.00 May 2020 <ul style="list-style-type: none">Committee: Nicole Martins, Danielle Kilgo, Bryant PaulCoursework: <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> Renmin University of China , Beijing, China M.A. in Journalism, GPA: 3.92/4.00 June 2018 Hebei Normal University , Shijiazhuang, China B.A. in English (Translation), GPA: 3.92/4.00 June 2016 | |
| HONORS AND AWARDS | Second Top Student Paper Award, International Communication Association 2019 Wings of Excellence Award, 47 th St.Gallen Symposium, Switzerland 2017 First Prize Academic Scholarship, Renmin University of China 2017 🏆 National Champion (1 st /200,000), First “FLTRP Cup” English Reading Contest, Beijing 2015 National Endeavor Fellowship, Hebei Normal University 2015, 2014 | |
| RESEARCH EXPERIENCE | YY Lab, Indiana University , Bloomington, IN, USA <i>Data visualization research assistant</i> August 2020 - May 2021 Assisted Professor Yong-Yeol (“YY”) Ahn with the Covid-19 Trend Visualizations project (Top 10 Liked notebooks on Observable in 2020) <ul style="list-style-type: none">Updated the data workflowImplemented the delay parameter, play speed parameter, go back parameter, and date range sliderImproved the website design | |
| PUBLICATIONS | Hao, H., 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> . [PDF], [Source code], [Demo] | |
| SELECT PROJECTS | Visualizing 120 Years of Summer Olympic Games [Web], [Code], [PDF] A data visualization project for Professor YY Ahn’s <i>INFO I590 Data Visualization</i> in 2019 Fall Notes on Network Science [Web], [Code], [PDF] My notes while auditing Professor YY Ahn’s online course of <i>INFO I606 Network Science</i> | |

How to Create Online Books [Web], [Code]
A tutorial on creating online documentation/books

D3Book Companion [Web], [Code], [PDF]
A simple tutorial website helping beginners learn D3.js

Hugo-HT [Demo], [Code]
A website template based on Hugo

Hupyter [Example], [Code]
A lightweight tool to convert Jupyter Notebooks to Hugo blog posts

WORKING
EXPERIENCE

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 540 Introduction to Artificial Intelligence (2022 Summer), Young Wu, 33 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

COMPUTER

- Programming: Python, Julia, R, Javascript, HTML/CSS
- Tools: L^AT_EX, Final Cut Pro