

Hanhui Bao

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EDUCATION

University of Tennessee, Knoxville

Doctor of Philosophy (Learning, Design, and Technology)

Advisors: Dr. Joshua M. Rosenberg, Dr. Rachel M. Wong

Knoxville, TN

08/2023-Current

Johns Hopkins University

Master of Science in Education (STEM Focus)

Advisor: Dr. Stephen Pape

Baltimore, MD

8/2022 – 7/2023

Wenzhou University

Bachelor of Law in Ideological and Political Education

Wenzhou, CHN

9/2018 – 6/2022

PEER-REVIEWED JOURNAL ARTICLES

Fadel, M; **Bao, H**; Zhang, A; Hao, T; Llamas, J; and Llamas, M. (2024) "Building Pathways for Female Leaders' Economic Empowerment," *The Scholarship Without Borders Journal*: Vol. 2: Iss. 1, Article 3. DOI: <https://doi.org/10.57229/2834-2267.1036>

Hao, T; Liu, Z; **Bao, H**; Chen, S; Llamas, J; and Llamas, M. (2024) "Gamification as an Effective Method in Developing Leadership Skills and Competencies," *The Scholarship Without Borders Journal*: Vol. 2: Iss. 1, Article 6. DOI: <https://doi.org/10.57229/2834-2267.1039>

EDITOR-REVIEWED JOURNAL ARTICLES

Allman, B., Kimmons, R., Wang, W., **Bao, H.**, Rosenberg, J. M., & Koehler, M. J. (2024). Trends and topics in educational technology, 2024 edition. *TechTrends*. <https://doi.org/10.1007/s11528-024-00950-5>

CONFERENCES (* as a presenting author)

Wang, J., Wang, X., Zhang, Q., **Bao, H.**, Zhao, Z., & Neitzel, A. J. (2023, September). Risk of Bias Tools in Systematic Reviews of Interventions PK-12 Education: A Critical Analysis of Studies in Review of Educational Research. In *SREE 2023 Conference*. SREE.

UPDATED 03/16/2023.

- Lishinski, A., **Bao, H.**, & Rosenberg, J. M., (2024, March). Self-efficacy interventions for CS1. Proceedings of the 55th ACM Technical Symposium on Computer Science Education V. 2. <https://doi.org/10.1145/3626253.3635348>
- Wang, X., ***Bao, H.** Hao, Y. Neitzel, A. (2024, April). Review of Learner Autonomy Scales: Mapping the Landscape of Measurement Tools in Autonomy Interventions. American Educational Research Association Annual Meeting. Philadelphia, PA.
- Xiao, F., Pan, H., Yang, D., **Bao, H.**, Zhang, K., Zhao, J., Collins, P., Warschauer, M. (2024, April). Children's Shared Bilingual Reading with an Interactive E-book versus Printed Book: What's Behind the Scenes? American Educational Research Association Annual Meeting. Philadelphia, PA.
- Garner, A. V., ***Bao, H.**, Rosenberg, J. (2024, March). Collect, Analyze Interpret, Oh My! 7th grade students' Intended Engagements in the OpenSciEd Curriculum. National Association for Research in Science Teaching. Denver, CO.

MANUSCRIPTS

(Manuscripts) Winn, J., Hao, T., Bao, H., Xin, G., Shui, X. (2023). Video Game of Leadership

Development: A Systematic Review (2012-2022). <https://osf.io/jv4yk/>

PROFESSIONAL EXPERIENCE

Department of Theory and Practice in Teacher Education, UT Knoxville

Knoxville, TN

Graduate Research Assistant

08/2023 – Current

- Work as a GRA in the NSF project: Broadening Participation in Introductory Computer Science: Investigating Self-Assessment Practices for Increasing Student Learning and Self Efficacy in Two Institutional Contexts. (Supervisor: Dr. Alex Lishinski, 2023-2024)
- Work as a GRA in the NSF project: STEM Graduate Pathways for Marginalized Groups: A Critical and Intersectional Thematic Analysis, Meta-analysis, and Mixed Method Synthesis of Preparation and Enrollment Research. (Supervisor: Dr. Rachel Wong, 2024-2025)

SERVICE

AERA Division H Graduate Student Representative. 2024-2026

Reviewer - National Association for Research in Science Teaching Conferences. 2024

UPDATED 03/16/2023.

Reviewer - The Technical Symposium on Computer Science Education. 2024

SCHOLARSHIP

Graduate School Fellowship at UTK: 2023fall, 2024spring, 2024fall

RESEARCH EXPERIENCE

Center for Research and Reform in Education, Johns Hopkins University **Baltimore, MD**

Research Assistant

9/2022 – 06/2023

Faculty Advisors: Dr. Amanda Neitzel(Inns)

- Review latest professional educational papers, extract key information, and write paper briefs in Lay-person terms to be published on the website ‘Best Evidence in Brief Index’, aiming to provide latest educational newsletter for public
- Conduct meta-analysis studies focused on secondary mathematics grades to inspect the implementation and effectiveness of different mathematics programs. The studies are generally used to improve curriculum tools or instructional methods

Digital Learning Lab, University of California, Irvine

Irvine, CA

Research Assistant

8/2022 - Current

Lead Researcher: Dr. Dandan Yang

- Use CLANc software to record talks and translate into text files (CLAN file)
- Translate CLAN files into Excel data, aiming to record the bilingual interactions, e.g., conversations and gazes between children and parents
- Check other team members’ coding files according to the coding standard to ensure the reliability of data
- Data cleaning & analysis
- Academic writing

Soul Stori LLC.

New York, NY

Research Assistant

12/2022-1/2022

- Conducted literature review research work about compassion teaching and social emotional learning

Institute of Big Data and Information Technology, Wenzhou University

Wenzhou, CHN

Research Assistant

5/2021 – 6/2022

Faculty Advisor: Professor Yuanchun Zhang & Professor Zhiling Yang

UPDATED 03/16/2023.

- Optimized identity authentication system by designing an identity middle end (compared to front end and backend), aiming to reduce the authentication process redundancy, and achieving data sharing
- Collected feedback from students, faculty, and staff, using MySQL to analyze data

INTERNSHIP & VOLUNTEER EXPERIENCE

ConnectEd Organization	Remote
<i>Volunteer</i>	<i>6/2022 - Current</i>
<ul style="list-style-type: none"> • Explore and collect professors and scholars' information, send them emails and slack invitations to invite them to join our academic sharing group • Ask scholars whether they have Ph.D. or lab assistant positions 	
Johns Hopkins University School of Engineering	Baltimore, MD
<i>Mathematics Tutor</i>	<i>02/2023-05/2023</i>
<ul style="list-style-type: none"> • Provided mathematics tutoring for 5th graders at Henderson-Hopkins School 	
Youth Tutorial Library Program, Johns Hopkins University	Baltimore, MD
<i>Tutor Volunteer</i>	<i>9/2022 – 04/2023</i>
<ul style="list-style-type: none"> • Provide math tutor service for local students • Work as the consistent tutor for a student with ADHD 	
Wenzhou Autism Center	Wenzhou, CHN
<i>Volunteer</i>	<i>10/ 2019 – 6/2022</i>
<ul style="list-style-type: none"> • Had music, art, and science classes with students with autism • Mentored one student • Developed partnership with parents to create rehabilitation program 	
Italy International School-Naples Campus	Remote
<i>Teacher</i>	<i>9/2021 – 1/2022</i>
<ul style="list-style-type: none"> • Taught English to the overseas Chinese students (aged 7-10) 	
College of Foreign Languages, Wenzhou University	Wenzhou, CHN
<i>Online Bilingual Teacher, Summer Practice Activity</i>	<i>7/2021/ - 8/2021</i>
<ul style="list-style-type: none"> • Shared the content of Yuanqu (An ancient Chinese poetic form) with Chinese children from Italian Chinese School, Markay International Chinese School • Taught Chinese to junior students, shared Chinese myths and fables to senior students 	

Wenzhou Wutian No.1 Middle School

Wenzhou, CHN

Teacher Intern

4/2021 - 6/2021

- Lectured for Grade 8 and Grade 9 students
- Managed class administration work

SKILLS

Language skills: Mandarin (native), English (fluent), Spanish(beginner)

Computer skills: Microsoft, Google drive, SQL, Python, R studio, HTML