

## Hanhui Bao

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### EDUCATION

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#### 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

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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

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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)

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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

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(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

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**Department of Theory and Practice in Teacher Education, UT Knoxville**

**Knoxville, TN**

*Graduate Research Assistant*

08/2023 – Current

PI: Dr. Alex Lishinski

- 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.

## SERVICE

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AERA Division H Graduate Student Representative. 2024-2026

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

Reviewer - The Technical Symposium on Computer Science Education. 2024

UPDATED 03/16/2023.

## SCHOLARSHIP

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Graduate School Fellowship at UTK: 2023fall, 2024spring

## RESEARCH EXPERIENCE

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**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

- 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

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

**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**

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

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