

## Hanhui Bao

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### EDUCATION

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#### University of Tennessee, Knoxville

Knoxville, TN

*Doctor of Philosophy (Learning, Design, and Technology)* 08/2023-07/2027(Expected) Advisors:  
Dr. Joshua Rosenberg, Dr. Rachel Wong

#### Johns Hopkins University

Baltimore, MD

*Master of Science in Education (STEM Focus)* Advisor:  
Dr. Stephen Pape

8/2022 – 7/2023

#### Wenzhou University

Wenzhou, CHN

*Bachelor of Law in Ideological and Political Education*

9/2018 – 6/2022

### PUBLICATIONS

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(Under Review) Fadel, M., **Bao, H.**, Zhang, A., Hao, T., Llamas, J., Llamas, M. Building Pathways for Female Leaders' Economic Empowerment. *The Scholarship Without Borders Journal*.

(Under Review) Hao, T., Liu, Z., **Bao, H.**, Chen, S., Llamas, J., Llamas, M. Gamification as an Effective Method in Developing Leadership Skills and Competencies. *The Scholarship Without Borders Journal*.

(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/>

### CONFERENCES

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Wang, J., Wang, X., Zhang, Q., **Bao, H.**, Zhao, Z., Neitzel, A.J. (2023). Risk of Bias Tools in Systematic Reviews of Interventions PK-12 Education: A Critical Analysis of Studies in Review of Educational Research. *The Society for Research on Educational Effectiveness*. Arlington, VA.

(Under Review) Garner, A., **Bao, H.** (2023). A Curriculum Analysis of The Sources of Data and Data Engagements of Science Students. *National Association for Research in Science Teaching*. Denver, CO.

(Under Review) Wang, X., **Bao, H.** (2023). A Review of Learner Autonomy Scales: Mapping the Landscape of Measurement Tools in Autonomy Interventions. *American Educational Research Association*. Philadelphia, PA.

### PROFESSIONAL EXPERIENCE

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UPDATED 10/12/2023.

**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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Volunteer peer reviewer - National Association for Research in Science Teaching Conferences. 2024

## **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 - Present

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

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|---|------------------------|
| <b>Institute of Big Data and Information Technology, Wenzhou University</b>   | <b>Wenzhou, CHN</b>    |
| <i>Research Assistant</i>   | <i>5/2021 – 6/2022</i> |
| Faculty Advisor: Professor Yuanchun Zhang & Professor Zhiling Yang  |                        |
| <ul style="list-style-type: none"> <li>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</li> <li>Collected feedback from students, faculty, and staff, using MySQL to analyze data</li> </ul> |                        |

## INTERNSHIP & VOLUNTEER EXPERIENCE

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|---|--------------------------|
| <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**

*Teacher Intern*

**Wenzhou, CHN**

*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