**Hanhui Bao**

Tel.: 410-428-7591 | Email: hbao4@vols.utk.edu

# EDUCATION

|  |  |
| --- | --- |
| **University of Tennessee, Knoxville** | **Knoxville, TN** |
| *Doctor of Philosophy (Learning, Design, and Technology)*  Advisors: Dr. Joshua M. Rosenberg, Dr. Rachel M. Wong | *08/2023-Current* |
| **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*    **PEER-REVIEWED JOURNAL ARTICLES** | *9/2018 – 6/2022* |

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.

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

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

* 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** *Volunteer 6/2022 - Current*

* 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

*Mathematics Tutor 02/2023-05/2023*

 Provided mathematics tutoring for 5th graders at Henderson-Hopkins School

## Youth Tutorial Library Program, Johns Hopkins University Baltimore, MD

*Tutor Volunteer 9/2022 – 04/2023*

* Provide math tutor service for local students
* Work as the consistent tutor for a student with ADHD

## Wenzhou Autism Center Wenzhou, CHN

*Volunteer 10/ 2019 – 6/2022*

* 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

*Teacher 9/2021 – 1/2022*

 Taught English to the overseas Chinese students (aged 7-10)

## College of Foreign Languages, Wenzhou University Wenzhou, CHN

*Online Bilingual Teacher, Summer Practice Activity 7/2021/ - 8/2021*

* 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