

WEI WANG

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EDUCATION

University of Tennessee, TN, USA	08/2023 – present
● Ph.D. Learning Design and Technology, Education	
Advisor: Dr. Joshua Rosenberg, Dr. Enilda Romero-Hall	
Johnson University, TN, USA	06/2020 – 12/2021
● M.A., Education Technology	
Anhui Normal University, Wuhu, China	09/2019 – 06/2022
● M.S., Education Technology	
Longyan University, Longyan, China	09/2012 – 06/2016
● B.S., Software Engineering	

PUBLICATIONS

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- Allman, B., Kimmons, R., **Wang, W.** *et al.* Trends and Topics in Educational Technology, 2024 Edition. *TechTrends* (2024). <https://doi.org/10.1007/s11528-024-00950-5>
 - Sarah Narvaiz, Qinyun Lin, Joshua M. Rosenberg, Kenneth A. Frank, Spiro J. Maroulis, **Wei Wang**, Ran Xu (2024). konfound: An R Sensitivity Analysis Package to Quantify the Robustness of Causal Inferences. *Journal of Open Source Software*, 9(95), 5779, <https://doi.org/10.21105/joss.05779>
 - Ye, F.-z., & **Wang, W.** (2023). Returning to the main position of classroom education: A study on teaching efficacy of smart classroom and its influencing factors. *Journal of Bingtuan Education Institute*, 33(2), 57-65. (CNKI)
 - **Wang, W.**, Duan, Y., Wang, Q., & Liu, H. (2021). An ECM-ISC Based on College Students' Continued Learning Intention toward E-Learning Space Post COVID-19. *Open Journal of Social Sciences*, 9, 377-395. DOI: [10.4236/jss.2021.912026](https://doi.org/10.4236/jss.2021.912026)
 - **Wang, W.** An empirical study on the intention of college students toward online learning space. *China Adult Education*(CNKI)
 - **Wang, W.**(2020). Individual-construction strategy of school informatization based on MOOC. *China Education Technology & Equipment*.(CNKI)

Co-published book

- Akcaoglu, M., Rosenberg, J. M., Narvaiz, S., & **Wang, W.** (under contract). *Computational social science cookbook with R: A practical guide* (a volume in the *Chapman & Hall/CRC Big Data Series*). CRC Press.
- China's annual blue book of artificial intelligence education development: Evaluation of Artificial Intelligence Empowering Education

Research Report

- Research Report on Educational Governance of Smart Campus in Bengbu City
- Research Report on the Application Effect of Smart Classroom Construction in Xuancheng.

CONFERENCE(SELECTED)

- **Wang, W.** (2024). Navigating Sentimental Landscapes: An In-depth Analysis of ChatGPT Implementation in Universities through Policy Examination. AERA.2024.
- **Wang, W.** (2024). Implementing Generative AI in Practice: Designing Assessments and Learning Activities in Faculty Development Program. AECT .2024.
- **Wang, W, Qing Wang.** (2020). Technology Cognitive Pyramid: Exploration on the Path of Artificial Intelligence to Transform the Education Field. *19th International Forum on Educational Technology (IFET2020)*

RESEARCH EXPERIENCE (SELECTED)

- **IES Funded Project: Quantifying the Robustness of Causal Inferences: Extensions and Application to Existing Databases(Award Number: R305D220022). USA.**
<https://ies.ed.gov/funding/grantsearch/details.asp?ID=5723>

PI: Dr.Frank, Kenneth, Michigan State University, USA

Description: As a member of the coding team, actively contributed to the development, testing, and validation of the R package for the project. Collaborated with the team to publish relevant papers on the package in open-access journals.

- **Project: SYS maker space for Seymour Primary School, Knoxville, Tennessee.**

PI: Dr.Lou Ann Smith, Johnson University, USA

Description: Designed a maker space for Seymour Primary School, including 5 space stations of science, technology, art, engineering, and mathematics, provided the school with a specific budget, designed digital badges and produced Safety instruction videos.

- **Project: Individualized Teaching and Educational Governance Supported by Artificial Intelligence (Grant No: IED2020-Z003), Bengbu, China**

Advisor: Dr.Bang Qi Liu, iFLYTEK Education Technology Institute, China.

Description: Conducted interviews with teachers and principals and compiled data for Educational Governance in Bengbu, organized and coded the interview materials, and analyzed the data to form regionalization and school information governance reports

- **Project: Anhui Philosophy and Social Science Planning Project: Knowledge Supply and Guidance Mechanism for Deep Learning in the "Internet +" Era, (Grant No: AHSKY2019D036) Wuhu, China.**

Advisor: Dr.Hehai Liu, Anhui Normal University, China.

Description: Developed a questionnaire based on the ECM-ISC model to explore college students' continued intention towards an E-learning environment. Analyzed data through multi-layer linear regression equations and confirmatory factor analysis. Published the research results in peer-reviewed journals as the first author.

REASEARCH SPONSORS

- Institute of Education Sciences(IES).USA
- National Key Laboratory of Cognitive Intelligence(funded by Ministry of Science and Technology of the People's Republic of China)
- Anhui Province Philosophy and Social Science Planning Project

- Anhui Normal University Talent Cultivation Fund 2020 "Making Smart Classrooms Truly Smart: Research on Design and Application of Smart Classrooms in Higher Education Supported by Digital Applications" (2020XJ01)

WORK EXPERIENCE

Digital Learning Unit, University of Tennessee, Knoxville. USA.

2023.8-present.

Teaching Assistant and Researching Assistant

- UTK Faculty Development Course Support as Teaching Assistant.
Provide assistance in organizing faculty development program: Online Course Delivery, Online Course Design, and Online Course Development.
- UTK Faculty Development Session (Brown Bag) Support as Researching Assistant.
Organize and participate the Brown Bag Session, design and manage feedback questionnaires.
- Online Teaching Research.
Conducted research on online teaching methodologies, gathering relevant articles and studies. Synthesized research findings to inform course design strategies. Designed surveys to gather insights on online teaching practices.

National Cognitive Intelligence Key Laboratory, Institute of Educational Technology, iFLYTEK. China.

2021.3-2023.6

Researcher

- Stationed Smart Education Demonstration Zone and conducted school or regional on-site research, published the evaluation and effectiveness report of the school and regional e-learning environment.
- Collected national, regional and provincial policy information to form an educational policy database. Published regular education policy reports, provided policy consultation and policy training.
- Participated in the educational projects of the Nation Key Laboratory, including project declaration, promotion and conclusion.
- Participated in the China annual blue book of artificial intelligence education development.
- Assisted in holding the China Annual Intelligent Education Development Forum.

Shanghai Squirrel AI Education Technology Co., Ltd. China

Instructor

2017.12-2019.8

- Created E-learning environments, designed teaching processes, and instructed students to use E-learning systems to assist their learning process.
- Utilized the intelligent adaptive learning system to assist children's English learning.
- Participated in teachers' information literacy training and guidance.

PROFESSIONAL SERVICE

- **GitHub**, R package: <https://github.com/konfound-project/konfound.git>
- **Mentored Review**, Journal of Research on Technology in Education, 2024

PROFESSIONAL SKILLS

Education

- Proficient in literature review and Instructional design;
- Enable to adopt reasonable educational information processing method according to data characteristics;
- Network education resources development;
- Educational data mining.

Computer

- Specialized software: SPSS; Mplus; Amos; Office, etc.
- Programing language: C, R, Python;
- WEB technology and mobile development technology;
- Literature searching online.

Certificate

- National English Teacher Qualification Certificate(junior high school,China);
- National Mathematics Teacher Qualification Certificate(junior high school,China);
- National IT Teacher Qualification Certificate (senior high school,China).

NON-PROFESSIONAL EXPERIENCE AND AWARDS

Awards

- Julius D. McElroy Scholarship, University of Tennessee,Oct.2023
- GrowSTEM Project Fund Schilarship, University of Tennessee,Sep.2023
- Outstanding Master thesis award, AHNU, Jun.2022.
- Outstanding academic scholarship, AHNU, Oct. 2021.
- Outstanding academic scholarship, AHNU, Oct. 2020.

Extracurricular Activities

- Intramural competition: Basketball, Flag Football, Disco Golf, Johnson University, TN, USA.
- Teaching Assistant of Research methods of educational technology, Anhui Normal University.
- President. Student Union.
- Set up a hip-hop student organization during undergraduate school.