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Assistant Professor, Department of Graduate Psychology
Assistant Assessment Specialist, Center for Assessment and Research Studies
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EDUCATIONAL BACKGROUND

Ph.D. Quantitative Methodology, College of Education, The University of Georgia, 2019.
M.S. Statistics, Beijing Normal University, 2013.
B.S. Statistics, Beijing Normal University, 2010.

EMPLOYMENT HISTORY

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| 2025 – present | Associate Professor. Department of Graduate Psychology, James Madison University. |
| 2025 – present | Associate Assessment Specialist. Center for Assessment and Research Studies (CARS), James Madison University, Harrisonburg, VA. |
| 2019 – 2025 | Assistant Assessment Specialist. Center for Assessment and Research Studies (CARS), James Madison University, Harrisonburg, VA. |
| 2019 – 2025 | Assistant Professor. Department of Graduate Psychology, James Madison University, Harrisonburg, VA. |
| 2018 | Research Assistant. Department of Educational Psychology, The University of Georgia, Athens, GA. |
| 2017Fall | Teaching Assistant. Department of Educational Psychology, The University of Georgia, Athens, GA. |
| 2015 – 2017 | Research Assistant. Department of Educational Psychology, The University of Georgia, Athens, GA. |
| 2015Fall | Teaching Assistant. Department of Educational Psychology, The University of Georgia, Athens, GA. |
| 2013 – 2015 | Graduate Assistant. Georgia Center for Assessment, Athens, GA. |
| 2010 – 2013 | Graduate Assistant. Department of Statistics, Beijing Normal University, Beijing, China. |

TEACHING EXPERIENCE

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| Introduction of Measurement Theory (PSYC 606, graduate level), Department of Graduate Psychology, James Madison University | Spring 2026, Spring 2025, Spring 2024 |
| Diagnostic Classification Models (PSYC 850, doctoral level), Department of Graduate Psychology, James Madison University | Spring 2021 |
| Equating (PSYC 850, doctoral level), Department of Graduate Psychology, James Madison University | Fall 2024, Spring 2023, Fall 2021, Spring 2020 |
| Intermediate Inferential Statistics (PSYC 605, graduate level), Department of Graduate Psychology, James Madison University | Fall 2020 |
| Teaching Assistant of Diagnostic Classification Models (doctoral level), Department of Educational Psychology, University of Georgia | Fall 2015, Fall 2017 |
| Teaching Assistant of Analysis of Variance (doctoral level), Department of Educational Psychology, University of Georgia | Fall 2015, Spring 2016 |

PUBLICATIONS

+Recent graduate (alum); *Undergraduate Student; #Graduate Student

- Bao, Y.**, Liu, J., DiStefano, C., & Ding, R. (2025). Identifying Children at Risk for Emotional and Behavioral Problems: A Diagnostic Classification Model Approach. *Psychology in the Schools*.
- Jahin, A., Zidan, A. H., **Bao, Y.**, Liang, S., Liu, T., & Zhang, W. (2025). Unveiling the mathematical reasoning in deepseek models: A comparative study of large language models. *arXiv preprint arXiv:2503.10573*.
- Zidan, A. H., Jahin, A., **Bao, Y.**, & Zhang, W. (2025). Semi-Nonlinear Deep Efficient Reconstruction for Unveiling Linear and Nonlinear Spatial Features of the Human Brain. *Electronics*, 14(3), 554.
- Zhong, T., Liu, Z., Pan, Y., Zhang, Y., Zhou, Y., Liang, S., ... & Liu, T. (2024). Evaluation of openai o1: Opportunities and challenges of agi. *arXiv preprint arXiv:2409.18486*.
- Liu, J., Ding, R., Liu, T., He, W., **Bao, Y.**, Gao, R., & Hood, S. K. (2024). Validating the Teacher Version of Pediatric Symptom Checklist-17 in Chinese Elementary Schools. *Behavioral Disorders*, 01987429241228506.
- Paek, S. H., & **Bao, Y.** (2023). The hidden loss of creative potential at school: Is girls' creative potential under-identified? *Thinking Skills and Creativity*, 49, 101357.
- Bao, Y.**, & Mireles[#], N. E. (2023). Handbook of Diagnostic Classification Models: Models and Model Extensions, Applications, Software Packages: by Matthias von Davier, Young-Sun Lee, New York, United States, Springer, 2019, 656 pp., ISBN: 978-3-030-05583-7.

- Tang, H., & **Bao, Y.** (2023). A diagnostic classification model of college instructors' value beliefs towards open educational resources. *Education and Information Technologies*, 28(6), 6825-6844.
- Tang, H., Yang, Y., & **Bao, Y.** (2023). Understanding college students' achievement goals toward using open educational resources from the perspective of expectancy–value theory. *Distance Education*, 44(4), 675-693.
- Tang, H. & **Bao, Y.** (2022). Self-regulated learner profiles in MOOCs: A cluster analysis based on the item response theory, *Interactive Learning Environments*, 1-17. DOI: [10.1080/10494820.2022.2129394](https://doi.org/10.1080/10494820.2022.2129394)
- Zhang, W., & **Bao, Y.** (2022). SENDER: SEmi-Nonlinear Deep Efficient Reconstructor for Extraction Canonical, Meta, and Sub Functional Connectivity in the Human Brain. *arXiv preprint arXiv:2209.05627*.
- Merrell, L. K., Henry, D. S., Baller, S. L., Burnett, A. J., Peachy, A. A., & **Bao, Y.** (2022). Developing an Assessment of a Course-Based Undergraduate Research Experience (CURE). *Research & Practice in Assessment*, 17(1).
- Zhang, W., **Bao, Y.** (2022). DEMAND: Deep Matrix Approximately Nonlinear Decomposition to Identify Meta, Canonical, and Sub-Spatial Pattern of functional Magnetic Resonance Imaging in the Human Brain. *arXiv preprint arXiv:2205.10264*.
- Zhang, W., **Bao, Y.** (2022). DELMAR: Deep Linear Matrix Approximately Reconstruction to Extract Hierarchical Functional Connectivity in the Human Brain. *arXiv preprint arXiv:2205.10374*.
- Zhang, W., **Bao, Y.** (2022). SADAM: Stochastic Adam, A Stochastic Operator for First-Order Gradient-based Optimizer. *arXiv preprint arXiv:2205.10247*.
- Liu, J., Ding, R., Gao, R., **Bao, Y.**, Hood, S. K., & Ni, S. (2022). A preliminary investigation of psychometric properties of the youth-reported Pediatric Symptom Checklist (PSC-Y) in Chinese elementary, middle, and high schools. *Journal of Affective Disorders*.
- Prendergast[#], C. O., Satkus[#], P., Alahmadi[#], S., & **Bao, Y.** (2022). Fostering the Assessment Processes of Academic Programs in Higher Education During COVID-19: An Example from James Madison University. *Assessment Update*, 34(2), 1-16.
- Tang, H., & **Bao, Y.** (2021). Latent class analysis of K-12 teachers' barriers to implementing OER. *Distance Education*, 1-17.
- Bao, Y.**, Shen, Y., Wang, S., & Bradshaw, L. (2021). Flexible Computerized Adaptive Tests to Detect Misconceptions and Estimate Ability Simultaneously. *Applied Psychological Measurement*, 45(1), 3-21.
- Tang, H., & **Bao, Y.** (2020). Social Justice and K-12 Teachers' Effective Use of OER: A Cross-Cultural Comparison by Nations. *Journal of Interactive Media in Education*, 2020(1).
- Bao, Y.**, & Bradshaw, L. (2018). Attribute-level Item Selection Method for DCM-CAT. *Measurement: Interdisciplinary Research and Perspectives*, 16(4), 209-225.
- Kim, S. H., **Bao, Y.**, Horan, E., Kim, M., & Cohen, A. S. (2015). Gauss–Hermite Quadrature in Marginal Maximum Likelihood Estimation of Item Parameters. In *Quantitative Psychology Research* (pp. 43-58). Springer, Cham.

- Zhang, S., **Bao, Y.**, Bao, J., & Li, S. (2014). A Cognitive Diagnosis Model Concerning Item Correlations. *Journal of Beijing Normal University (Natural Science)*, 50, 331-336.
- Guo, L., **Bao, Y.**, Wang, Z., & Bian, Y. (2014). Cognitive Diagnostic Assessment with Different Weight for Attribute: Based on the Dina Model. *Psychological reports*, 114(3), 802-822.
- Zhang, S. M., **Bao, Y.**, & Guo W. H. (2013). A Generalized Cognitive Diagnosis Model Under a Particular Polytomous Situation. *Psychological Exploration*, 33, 444-450.
- Sun, J. N., Zhang, S. M., Xin, T., & **Bao, Y.** (2011). A Cognitive Diagnosis Method Based on Q-Matrix and Generalized Distance. *Acta Psychologica Sinica*, 43, 1095-1102.

UNDER REVIEW

- Madison, M., **Bao, Y.**, Pan, Q., Schellman, M. (2024). Ten Frequently Asked Questions About Diagnostic Classification Models. *Practical Assessment, Research and Evaluation*.
- Zidan, A., Jahin, A., **Bao, Y.**, Zhang, W. (2024). Mapping Longitudinally Consistent Intrinsic Connectivity Networks in Macaque Brain via Longitudinal Sparse Dictionary Learning. *IBRO Neuroscience Reports*.
- Henriques[#], J., Leventhal, B., Gilmore[#], J., **Bao, Y.** (2024). The Impact of Time of Day on Motivation and Performance for a University Low-Stakes Assessment. *Research and Practice in Assessment*.
- Gilmore, J., **Bao, Y.**, Henriques, J., Leventhal, B. (2024). Identifying Patterns of Disengagement in a Low-Stakes Assessment. *Educational Assessment*.
- Tang, H., Yang, Y., **Bao, Y.** (2024). Probing the relationships between students' achievement-goal orientations and their academic performance and motivation in an Open Educational Resource Course: A person-centered approach.

CONFERENCE PRESENTATIONS

2025

- Tang, H., **Bao, Y.** (April, 2025). *K-12 Educators' Usage of Open Educational Resources: From the social justice perspective*. Paper presented at the annual conference of the American Educational Research Association, Denver, Colorado.
- Liu, J., **Bao, Y.**, DiStefano, C. (April, 2025). *Identifying Children at Risk for Emotional and Behavioral Problems: A Diagnostic Classification Model Approach*. Paper presented at the annual conference of the American Educational Research Association, Denver, Colorado.
- Bao, Y.**, Zhang, W., Liu, J. (April, 2025). *Leveraging Swarm Intelligence to Detect Rapid Guessing in Low-Stakes Assessments*. Paper presented at the annual conference of National Council on Measurement in Education, Denver, Colorado.
- Gilmore[#], J., **Bao, Y.** (April, 2025). *Exploring Machine Learning Methods for Measuring Student Engagement in a Low-stakes Assessment*. Paper presented at the annual conference of National Council on Measurement in Education, Denver, Colorado.
- Baron[#], Z., Mireles[#], N., **Bao, Y.** (April, 2025). *Addressing Class Imbalances to Optimize Rapid Guessing Classifications Through Supervised Machine Learning*. Paper presented at the

annual conference of National Council on Measurement in Education, Denver, Colorado.

Mireles[#], N., **Bao, Y.** (April, 2025). *How Does Rapid Guessing Distort Estimates in Longitudinal Diagnostic Models?* Paper presented at the annual conference of National Council on Measurement in Education, Denver, Colorado.

2024

Henriques[#], J., Leventhal, B., Gilmore[#], J., **Bao, Y.** (October, 2024). *Time of Day's Influence on Engagement and Performance For a University Low-Stakes Assessment.* Paper presented at the Northeastern Educational Research Association, Trumbull, Connecticut.

Gilmore[#], J., **Bao, Y.**, Henriques[#], J., Leventhal, B. (October, 2024). *Identifying patterns of disengagement in a low-stakes assessment.* Paper presented at the Northeastern Educational Research Association, Trumbull, Connecticut.

Mehou[#], J., Leventhal, B., Hunsberger[#], J., **Bao, Y.** (October, 2024). *Examinee-Level Predictors of Disengagement in International Assessments.* Paper presented at the Northeastern Educational Research Association, Trumbull, Connecticut.

Baron*, Z., **Bao, Y.** (July, 2024). *Using Supervised Machine Learning to Identify Rapid Guessing.* Undergraduate Internship Symposium, Center for Assessment and Research Studies, James Madison University.

Gilmore[#], J., **Bao, Y.**, Henriques[#], J., Leventhal, B. (April, 2024). *Identifying patterns of disengagement in a low-stakes assessment.* Paper presented at Graduate Symposium, Department of Graduate Psychology, James Madison University.

Henriques[#], J., Leventhal, B., Gilmore[#], J., **Bao, Y.** (April, 2024). *The impact of time of day on motivation and performance for a university low-stakes assessment.* Paper presented at Graduate Symposium, Department of Graduate Psychology, James Madison University.

Mehou[#], J., Leventhal, B., Hunsberger[#], J., **Bao, Y.** (April, 2024). *Using an IRTree to find examinee-level predictors of disengagement.* Paper presented at Graduate Symposium, Department of Graduate Psychology, James Madison University.

Mireless[#], N., **Bao, Y.** (April, 2024). *Considerations and Recommendations for Rapid Guessing with Examinee Motivation Filtering in DCMs.* Paper presented at the annual conference of National Council on Measurement in Education, Philadelphia, Pennsylvania.

Liu, J., **Bao, Y.**, & DiStefano, C. (April, 2024). *Collapsing Sparse Responses: Examination of Confirmatory Factor Analysis Models Using Likert- Scale Data.* Paper presented at the annual conference of American Educational Research Association, Philadelphia, Pennsylvania.

2023

Tang, H., Yan, Y., **Bao, Y.** (April, 2023). *Exploring the relationship between college students' value beliefs and achievement goals in using open educational resources.* 2023 Annual Meeting of American Educational Research Association Annual Meeting, Chicago, IL.

Mireless[#], N., **Bao, Y.** (April, 2023). *How Rapid Guessing Affects Diagnostic Classification Models: An Empirical and Simulation Study.* 2023 Annual Meeting of National Council on Measurement in Education, Chicago, IL.

Tang, H., **Bao, Y.** (April, 2023). *Examining Self-Regulated Learner Profiles in MOOCs: An Item Response Theory Perspective*. 2023 Annual Meeting of American Educational Research Association Annual Meeting, Chicago, IL.

2022

Mireles[#], N., **Bao, Y.** (October, 2022). *Multilevel Diagnostic Classification Modeling in Applied Research: An illustration*. Paper presented at the Northeastern Educational Research Association, Trumbull, Connecticut.

Bao, Y., Mireless[#], N., Liu, J. (April, 2022). *A Multilevel Polytomous-attribute Diagnostic Classification Model*. 2022 Annual Meeting of National Council on Measurement in Education, San Diego, CA.

Bao, Y., Liu, J., DiStefano, C. (April, 2022). *Diagnosing Children's Emotional and Behavioral Problems in Preschool: A Multilevel Diagnostic Classification Model Approach*. 2022 Annual Meeting of American Educational Research Association Annual Meeting, San Diego, CA.

Tang, H., **Bao, Y.** (April, 2022). *A Person-centered Analysis of K-12 Teachers' Barriers in Implementing OER*. 2022 Annual Meeting of American Educational Research Association Annual Meeting, San Diego, CA.

Liu, J., Ding, R., Gao, R., **Bao, Y.**, Ni, S. (April, 2022). *Validation of the PSC-17-Y in Chinese Elementary, Middle, and High School Adolescents*. 2022 Annual Meeting of American Educational Research Association Annual Meeting, San Diego, CA.

Paek, S., **Bao, Y.** (April, 2022). *The hidden loss of creative potential in schools: Are girls' creative potential under-identified in schools?* 2022 Annual Meeting of National Council on Measurement in Education, San Diego, CA.

Hammami[#], S., **Bao, Y.** (April, 2022). *Do Different Racial/Ethnic Groups Perform Differently on Wellness Assessments? An Application of a Diagnostic Cognitive Model to Inform JMU's General Education Curriculum*. Graduate Showcase, James Madison University.

Paek, S., **Bao, Y.** (August, 2022). *The Hidden Loss of Creative Potential at School Is Girls' Creative Potential Under-identified at School?* 2022 Annual Meeting of American Psychological Association, Minneapolis, MN, Aug. 4-6.

2021

Bao, Y., Prendergast[#], C. (Dec, 2021). *Evaluating Student Learning in Higher Education Institutions - A Meta-assessment Approach*. Annual Meeting of SACSCOC, Dallas, TX.

Tang, H., **Bao, Y.** (November, 2021). *Understanding social justice in K-12 teachers' effective use of OER*. 2021 Association for Educational Communications and Technology (Virtual).

Tang, H., **Bao, Y.** (November, 2021). *Deconstructing elementary students' male hubris and female humility effect in China: A perspective of multiple intelligence*. 2021 Association for Educational Communications and Technology (Virtual).

Bao, Y., Madison, M. (June, 2021). *An Invariance Preserving Cognitive Diagnostic Computer Adaptive Testing Algorithm*. National Council on Measurement in Education (Virtual).

Madison, M., **Bao, Y.,** Chung, S., Kim, J., & Bradshaw, L. (June, 2021). *A Longitudinal Diagnostic Classification Model with Polytomous Attributes*. National Council on Measurement in Education (Virtual).

Bao, Y., Liu, J., & Distefano, C. (April, 2021). *Using Diagnostic Classification Models to Diagnose Children's Emotional and Behavioral Problems in Preschool*. Paper presented at the American Educational Research Association Annual Meeting (Virtual).

2020

Bao, Y., Satkus, P. (Dec, 2020). *Evaluating Student Learning in Higher Education Institutions - A Meta-assessment Approach*. Annual Meeting of SACSCOC (Virtual).

Tang, H. & **Bao, Y.** (2020, November 2-7). Teachers' value beliefs associated with using Open Educational Resources in K-12 education [Paper session]. Association for Educational Communications and Technology Annual Conference, Jacksonville, FL, United States. <https://convention2.allacademic.com/one/aect/aect20>.

Bao, Y., Urquhart, K., & Speno, M. (moderator). (2020, October). *A good dissertation is a finished dissertation, but what comes next?: Post-dissertation potential*. GSIC Virtual panel session at the annual meeting of the Northeastern Educational Research Association (NERA). **Panel for NERA**

Bao, Y., Bradshaw, L. (April, 2020). *An Attribute-level Item Exposure Control Method for DCM-CAT*. National Council on Measurement in Education, San Francisco, CA (Conference Canceled)

Bao, Y. (2020, Apr 17 - 21) *The Constrained Diagnostic Classification Models for Polytomous Attributes*. AERA Annual Meeting San Francisco, CA <http://tinyurl.com/sezs6xo> (Conference Canceled)

2019

Bao, Y., (October, 2019). *A Preliminary Study of Model Selection Indices for Polytomous-attribute Diagnostic Classification Models*. Paper presented at the Northeastern Educational Research Association, Trumbull, Connecticut.

Tang, H., **Bao, Y.,** (October, 2019). *Educators' Usage of Open Educational Resources: Comparisons by Nations*. The 16th Annual Open Education Conference, Phoenix, AZ.

Bao, Y., Bradshaw, L. (April, 2019). *Investigation of the Model Invariance for DCM with Polytomous Attributes*. Paper presented at the National Council on Measurement in Education, Toronto, Ontario, Canada.

2018

Bao, Y., Bradshaw, L. (April, 2018). *A Diagnostic Classification Model for Polytomous Attribute*. Paper presented at the National Council on Measurement in Education, New York City, New York, U.S.

Shen, Y., **Bao, Y.,** Wang, S., Bradshaw, L. (April, 2018). Detecting Misconceptions and Estimating Ability Simultaneously: A Hybrid Computerized Adaptive Testing Framework. Paper presented at the National Council on Measurement in Education, New York City, New York, U.S.

2017

Bao, Y., Bradshaw, L. (November, 2017). *A Diagnostic Classification Model for Polytomous Attribute*. Paper presented at the Northeastern Educational Research Association, Trumbull, Connecticut, U.S.

Shen, Y., **Bao, Y.,** Wang, S., Bradshaw, L. (August, 2017). *Hybrid SICM-CAT: Diagnosing misconceptions and estimating ability*. Paper presented at the International Association for Computerized Adaptive Testing, Niigata, Japan.

Bao, Y., & Bradshaw, L. (April, 2017). *The application of an attribute-level item selection method for DCM-CAT*. Paper presented at the National Council on Measurement in Education, Austin, Texas.

2016

Bao, Y., & Bradshaw, L. (July, 2016). *The attribute-level item selection method in DCM-CAT*. Paper presented at the 2016 International Meeting of Psychometric Society, Ashville, North Carolina.

Bao, Y., & Bradshaw, L. (April, 2016). *The impact of model misspecification in the DCM-CAT*. Paper presented at the National Council on Measurement in Education, Washington, D.C.

2015

Bao, Y. & Bradshaw, L. (July, 2015). *Item-level specifications in a general diagnostic classification model framework*. Paper presented at the 2015 International Meeting of Psychometric Society, Beijing, China.

2014

Kim, S.-H., **Bao, Y.,** Horan, E., Kim, M., & Cohen, A. S. (July, 2014). *Gauss-Hermite quadrature in marginal maximum likelihood estimation of item parameters*. Paper presented at the 79th annual meeting of the Psychometric Society, Madison, WI.

Bao, Y., Xing, X., & Bradshaw, L. (April, 2014). *Diagnosing career indecision types for adolescents using a diagnostic classification model*. Paper presented at the 2014 COE Graduate Student and Faculty Research Conference of UGA. Athens, GA.

2012

Zhang, S. M., **Bao, Y.** (September, 2012). *A generalized polytomous cognitive diagnosis model*.

Paper presented at the tenth National Education and Psychology Statistics and Measurement Academic Annual Meeting and the 8th Cross-Strait Psychology and Education Test, Nanchang, Jiaxi, China.

Zhang, S. M., **Bao, Y.** (July, 2012). A cognitive diagnosis model based on a particular polytomous case. Paper presented at the International Meeting of the Psychometric Society, Lincoln, NE.

INVITED PRESENTATION

Bao, Y. (2025). *From Theory to Practice: Advancing Diagnostic Classification Models for Educational and Psychological Assessment*. Invited by Department of Graduate Psychology, Graduate Symposium, James Madison University.

Bao, Y. (2024). *History of Testing and Measurement*. Invited by Center for Assessment and Research Studies, Internship Program, James Madison University.

Bao, Y., Husberger, J., Ofcarcik, J., Martin, C. (2024). *Assessment and Equity Panel*. Invited by Center for Assessment and Research Studies, Internship Program, James Madison University.

Bao, Y. (2024). *Navigating the Academic Job Market*. Invited by the Quantitative Method program at the University of Georgia.

Madison, M., **Bao, Y.** (2023). *Introduction to Diagnostic Measurement Models*. Invited by Diagnostic Measurement SIGMIE at NCME.

Bao, Y. (Jan, 2023). *Advancing Methodologies and Applications of Diagnostic Classification Models*. University of South Carolina.

Bao, Y. (2023). *Navigating the Academic Job Market*. Invited by the Quantitative Method program at the University of Georgia.

Bao, Y. (July, 2022). *Assessment Progress Template Rater Training*. James Madison University.

Bao, Y. (July, 2021). *Assessment Progress Template Rater Training*. James Madison University.

Bao, Y. (July, 2020). *Assessment Progress Template Rater Training*. James Madison University.

GRANT EXPERIENCES

Project name: *The Development of an Invariance Preserving Cognitive Diagnostic Computer Adaptive Testing Algorithm*. (2021 Summer). Funded by University Programs (\$865). Role: Principle Investigator.

Project name: *Hybrid Deep Learning Strategy Reveals Linear and Nonlinear Hierarchy in Functional Connectivity Networks of Human Brain* (rejected). National Institutes of Health (NIH) R03. Role: Independent Consultant.

Project name: *PROMISE: Promoting Rural students' Opportunities for career development in smart Manufacturing through Inclusive, Seamless Experiential Learning* (rejected). National Science Foundation. Role: Advisory Board.

Project name: *A theory-based professional development program in formative assessment for K-12 science teachers, with a focus on teacher autonomy (rejected)*. National Science Foundation. Role: Senior Personnel. \$16,912

Project name: *Agri-analytics Fellowship: An Interdisciplinary Approach to Expanding Career Pathways for Undergraduate Students*. USDA NIFA REEU program. Role: External Evaluator, \$10,000

HONORS & AWARDS

- 2024 Outstanding Reviewer for 2024 from Journal of Educational and Behavioral Statistics, American Educational Research Association
- 2024 Madison Scholar Outstanding Research Award, Department of Graduate Psychology, James Madison University
- 2022 Outstanding Junior Faculty Award, Department of Graduate Psychology, James Madison University
- 2015 Doctoral Student International Travel Grants, Office of the Vice President for Research, The University of Georgia
- 2014 Graduate School Excellence in Graduate Recruitment Fund Award, The University of Georgia
- 2010 Meritorious Winner in Mathematics Contest in Modeling, U.S. National Level
- 2009 Meritorious Winner in Mathematics Contest in Modeling, U.S. National Level

LEADERSHIP POSITIONS AND SERVICE ACTIVITIES

Manuscript Reviewer

Applied Measurement in Education
Applied Psychological Measurement
Cogent Psychology
Educational and Psychological Measurement
Educational Measurement: Issues and Practice
Educational Media International
Frontier in Education
Frontier in Psychology
Inovative Higher Education
Journal of Computing in Higher Education
Journal of Educational Measurement
Journal of Educational and Behavioral Statistics
Measurement: Interdisciplinary Research and Perspectives
Psychometrika
Computational Statistics and Data Analysis
Annual Meeting of American Educational Research Association (AERA)
Annual Meeting of National Council on Measurement in Education (NCME)
Annual Meeting of Northeastern Educational Research Association (NERA)

Leadership Positions

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| Northeastern Educational Research Association | 2019 – now |
| • Interim Communication Committee Chair | |
| • Webmaster | |
| National Council on Measurement in Education | 2020 – 2023 |
| • Co-chair of Diagnostic Measurement SIGMIE | |
| National Council on Measurement in Education | 2016 – 2017 |
| • Membership Committee | |
| The University of Georgia Graduate Researchers in Educational Psychology & Instructional Technology | 2014 – 2015 |
| • Program Representative, Executive Committee | |

PROFESSIONAL AFFILIATIONS

National Council on Measurement in Education
American Educational Research Association, Division D
Northeastern Educational Research Association
Psychometric Society