





Tricia Guerrero

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Chicago, IL 

SELECTED EXPERIENCE

Research Scientist, Education

August 2017 - Present

University of Illinois at Chicago

- Collaborated with a research cohort to design behavioral experiments to understand how students comprehend, reason, and apply knowledge within a web-based intelligent tutoring system resulting in the publication of 10 peer-reviewed journal articles and 2 book chapters
- Designed and conducted qualitative and quantitative research resulting in improved performance on standardized reading comprehension test with the design of new, adaptive learning modules and 10% increase in scores on the critical thinking sub-section
- Proficient in inferential and descriptive statistical analysis using various programming languages (R, SPSS, Python) resulting in accurate data analysis and informed decision-making to understand “for who” and “under what conditions” products are most suited for users resulting in over 30+ presentations for diverse stakeholder audiences

Educational Research Specialist

March 2015 – July 2017

Arizona State University

- Successfully managed end-to-end recruitment and data collection efforts of children from 10 school districts, ensuring the timely completion of the project while maintaining a high standard of data quality
- Designed video-based literacy curriculum for adult learners and leveraged expertise in natural language processing to create innovative user feedback scripts through a comprehensive qualitative analysis resulting in 60% increased user satisfaction and engagement and 70% comprehension accuracy across story arcs, and 10% additional achievement for neurodivergent users
- Introduced and facilitated year-long mentorship program for 5 junior researchers with commitment to growth and skill development

Teacher & Special Projects Leader

March 2008 – May 2015

East Valley Institute of Technology

- Ensured training and development of over 200 students in K-12 environment
- Increased student enrollment by 21% by designing school-wide extracurricular program
- Designed nationally accredited American Culinary Federation Education Curriculum by developing a standard academic culinary curriculum leading to consistently obtaining #1 Culinary CTE scores in the state

EDUCATION

Ph.D. in Cognitive Psychology, University of Illinois at Chicago

M.A. in Cognitive Psychology, University of Illinois at Chicago

B.S. in Psychology, Arizona State University

TOOLS

R
SPSS
Qualtrics
Microsoft Office
- Excel
- PowerPoint
Google Suite

RESEARCH SKILLS

User Experience Research
Cognitive Psychology
Qualitative Research Methods
- User Interviews
- Focus Groups
- Usability Testing
Quantitative Research Methods
- Survey Design
- Experimental design
- A/B testing
Data Analysis & Visualization
- Multi-level modeling
- Regression
- ANOVA
- t-test
- Factor Analysis
- Non-parametric analysis
- Data Science/ Machine Learning
Natural Language Processing
Writing Research Summaries
Presenting Research Findings

RESEARCH ACHIEVEMENTS

13 peer-reviewed publications
42 conference presentations
\$200k+ in research grants
24 undergraduate mentees
10 courses taught

SELECTED AWARDS

National Science Foundation
Graduate Research Fellow
UIC Access to Excellence
Fellow

Curriculum Vitae

Tricia A. Guerrero

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<https://www.triciaguerrero.com>  <https://orcid.org/0000-0002-0549-0980>

Research Interests

Learning, Comprehension, & Reasoning from Text, Higher-Level Cognitive Processes,
Educational Strategies & Interventions especially for non-traditional, underprepared, and at-risk students

EDUCATION

2023	PhD, Psychology University of Illinois at Chicago
2019	Master of Arts, Psychology University of Illinois at Chicago
2015	Bachelor of Science, Psychology Arizona State University
2008	Bachelor of Professional Studies, Business Management The Culinary Institute of America
2008-2031	K-12 Teaching Certificate, ID# 4031309 Arizona State Department of Education

FUNDED PROJECTS

2022-2023	UIC Access to Excellence Retention Dissertation Fellowship Project: <i>What if...?: Understanding reasoning beyond the text</i> Total Funds: \$53,000
2021-2022	UIC COVID-19 Research Grant Project: <i>Understanding factors predictive of hypothetical inferencing</i> Total Funds: \$2,200
2019-2021	UIC Graduate College, Research Grant Project: <i>Using reading goals to influence comprehension</i> Total Funds: \$15,000
2018-2023	National Science Foundation (NSF) Graduate Research Fellowship Award (GRFP) Project: <i>Improving comprehension from complex science texts</i> Total Funds: \$138,000

PUBLICATIONS

- Guerrero, T. A., Griffin, T. D., & Wiley, J. (2024). The effects of generating examples on comprehension and metacomprehension. *Journal of Experimental Psychology: Applied*, *30*(2), 318-330. doi: 10.1037/xap0000490
- Wiley, J., & Guerrero, T. A. (2023). Fundamental processes of learning: An overview. In R.J. Tierney, F. Rizvi, & K. Ercikan (Eds.), *International Encyclopedia of Education: Learning, Cognition, and Human Development* (pp. 107-116). Elsevier. doi: 10.1016/B978-0-12-818630-5.14014-X
- Guerrero, T. A., Griffin, T. D., & Wiley, J. (2022). I think I was wrong: The effect of making experimental predictions when learning about theories from psychology textbook excerpts. *Metacognition & Learning*, *17*(2), 337-373. doi: 10.1007/s11409-021-09276-6
- Guerrero, T. A., & Wiley, J. (2021). Expecting to teach affects learning during study of expository texts. *Journal of Educational Psychology*, *113*(7), 1281-1303. doi: 10.1037/edu0000657
- Guerrero, T. A., & Wiley, J. (2019). Using “idealized peers” for automated evaluation of student understanding in an introductory psychology course. In S. Isotani, E. Millan, A. Ogan, P. Hastings, B. McLaren, & R. Luckin (Eds.), *Artificial Intelligence in Education – 20th International Conference, AIED 2019* (pp. 133-143). Springer Nature. doi: 10.1007/978-3-030-23204-7_12
- Wiley, J., & Guerrero, T. A. (2019). Prose comprehension beyond the page. In K. Millis, J. Magliano, D. Long, & K. Wiemer (Eds.), *Deep comprehension: Multi-disciplinary approaches to understanding, enhancing, and measuring comprehension* (pp. 3-15). Routledge/Taylor and Francis.
- Guerrero, T. A., & Wiley, J. (2018). Effects of text availability and reasoning processes on test performance. In T. Rogers, M. Rau, X. Zhu, & C. Kalish (Eds.), *CogSci 2018 Proceedings* (pp. 1748-1753). doi: <https://cogsci.mindmodeling.org/2018/papers/0336/0336.pdf>
- McCarthy, K. S., Guerrero, T. A., Kent, K., Allen, L. K., McNamara, D. S., Chao, S., Steinberg, J., O'Reilly, T., & Sabatini, J. (2018). Comprehension in a scenario-based assessment: Domain and topic-specific background knowledge. *Discourse Processes*, *55*, 510-524. doi: 10.1080/0163853X.2018.1460159
- McCarthy, K. S., Likens, A. D., Johnson, A. M., Guerrero, T. A., & McNamara, D. S. (2018). Metacognitive overload!: Positive and negative effects of metacognitive prompts in an intelligent tutoring system. *International Journal of Artificial Intelligence in Education*, *28*, 420-438. doi: 10.1007/s40593-018-0164-5

Dascalu, M., Jacovina, M. E., Soto, C. M., Allen, L. K., Guerrero, T. A., & McNamara, D. S. (2017). Teaching iSTART to understand Spanish. In E. Andre, R. Baker, X. Hu, M. Rodrigo, & B. Boulay (Eds.), *Artificial Intelligence in Education – 18th International Conference, AIED 2017* (pp. 485-489). Springer Nature. doi: 10.1007/978-3-319-61425-1

Johnson, A. M., Guerrero, T. A., Tighe, E. L., & McNamara, D. S. (2017). iSTART-ALL: Confronting adult low literacy with intelligent tutoring for reading comprehension. In E. Andre, R. Baker, X. Hu, M. Rodrigo, & B. Boulay (Eds.), *Artificial Intelligence in Education – 18th International Conference, AIED 2017* (pp. 125-136). Springer Nature. doi: 10.1007/978-3-319-61425-1

McCarthy, K. S., Jacovina, M. E., Snow, E. L., Guerrero, T. A., & McNamara, D. S. (2017). iSTART therefore I understand: But metacognitive supports did not enhance comprehension gains. In E. Andre, R. Baker, X. Hu, M. Rodrigo, & B. Boulay (Eds.), *Artificial Intelligence in Education – 18th International Conference, AIED 2017* (pp. 201-211). Springer Nature. doi: 10.1007/978-3-319-61425-1

Perret, C. P., Johnson, A. M., McCarthy, K. S., Guerrero, T. A., & McNamara, D. S. (2017). StairStepper: An adaptive remedial iSTART module. In E. Andre, R. Baker, X. Hu, M. Rodrigo, & B. Boulay (Eds.), *Artificial Intelligence in Education – 18th International Conference, AIED 2017* (pp 557-560). Springer Nature. doi: 10.1007/978-3-319-61425-1

TECHNICAL REPORTS & WHITE PAPERS

Guerrero, T.A. (2024). *The influence of course modality on capstone completion rates*. University of Illinois at Chicago, Honors College.

MANUSCRIPTS IN PREPARATION & UNDER REVIEW

Guerrero, T. A., & Wiley, J. (R & R). Enhancing performance on hypothetical inference questions in expository text comprehension.

Griffin, T. D., Guerrero, T. A., Mielicki, M. K., & Wiley, J. (R & R). Improving self-regulated learning of expository texts at the transition to college.

Wiley, J., Guerrero, T. A., & Griffin, T. D. (in prep). On the timing of explanation activities as part of learning from text: Explaining immediately before restudy is better than after a delay.

PRESENTATIONS

*indicates undergraduate

Guerrero, T. A., & Wiley, J. (2023, July). *Limitations of adjunct questions for situation model construction*. Paper presented at the 33rd Annual Meeting of the Society for Text & Discourse.

Guerrero, T. A., Griffin, T. D., & Wiley, J. (2023, April). *Understanding how goal-directed prompts alter study behaviors*. Paper presented at the 95th Annual Meeting of the Midwestern Psychological Association, Chicago, IL.

Guerrero, T. A., Griffin, T. D., & Wiley, J. (2023, April). *Understanding how generative activities affect performance across question types*. Poster presented at the 2023 Annual Meeting of the American Educational Research Association (AERA), Chicago, IL.

Guerrero, T. A., Griffin, T. D., & Wiley, J. (2023, April). *Generating examples may yield limited benefits in improving comprehension*. Poster presented at the 2023 Annual Meeting of the American Educational Research Association (AERA), Chicago, IL.

Guerrero, T. A., Griffin, T. D., & Wiley, J. (2022, November). *Scientific reasoning as a predictor of performance on hypothetical inference questions*. Poster presented at the 63rd Annual Meeting of the Psychonomic Society, Boston, MA.

Hildenbrand, L., Guerrero, T. A., & Wiley, J. (2022, July). *Working memory capacity as predictor of single and multiple text comprehension*. Paper presented at the 32nd Annual Meeting of the Society for Text & Discourse.

Roberts, L.*, Hildenbrand, L., Guerrero, T. A., & Wiley, J. (2022, July). *Testing the effects if refutations and summaries on understanding*. Paper presented at the 32nd Annual Meeting of the Society for Text & Discourse.

Guerrero, T. A., & Wiley, J. (2022, July). *Identifying the sources of difficulty in reasoning beyond the text*. Paper presented at the 32nd Annual Meeting of the Society for Text & Discourse.

Wiley, J., Guerrero, T.A., Hildenbrand, L., & Griffin, T. D. (2022, July). *Exploring the boundaries: When explanation activities do not improve comprehension*. Poster presented at the 32nd Annual Meeting of the Society for Text & Discourse.

Guerrero, T. A., Griffin, T. D., & Wiley, J. (2022, April). *The effect of test-expectancies on reasoning beyond the text*. Paper presented at the 94th Annual Meeting of the Midwestern Psychological Association, Chicago, IL.

Eng, J.*, Guerrero, T. A., & Wiley, J. (2022, April). *The effect of musical expertise on implicit learning*. Poster presented at the 94th Annual Meeting of the Midwestern Psychological Association, Chicago, IL.

Hildenbrand, L., Griffin, T. D., Wiley, J., & Guerrero, T. A. (2022, April). *Closed-ended practice tests improve performance on open-ended final tests of text comprehension*. Paper presented at the 2022 Annual Meeting of the American Educational Research Association (AERA), San Diego, CA.

Guerrero, T. A., & Wiley, J. (2021, November). *Supporting comprehension by improving access to the textbase*. Poster presented at the 62nd Annual Meeting of the Psychonomic Society.

Li, G.*, Guerrero, T. A., & Wiley, J. (2021, August). *Effects of question-type training in preparation for the MCAT CARS*. Paper presented at the 31st Annual Meeting of the Society for Text & Discourse.

Guerrero, T. A., & Wiley, J. (2021, August). *Access to the textbase as a source of difficulty in expository text comprehension*. Paper presented at the 31st Annual Meeting of the Society for Text & Discourse.

Wiley, J., Guerrero, T. A., Hildenbrand, L., & Griffin, T. D. (2021, August). *Improving comprehension of science textbook excerpts with judgments of comprehension*. Paper presented at the 31st Annual Meeting of the Society for Text & Discourse.

Guerrero, T. A., Griffin, T. D., & Wiley, J. (2021, April). *Differences among inference-based questions for testing comprehension*. Paper presented at the 93rd Annual Meeting of the Midwestern Psychological Association.

Guerrero, T. A., Griffin, T. D., & Wiley, J. (2021, April). *Do prediction activities improve learning-by-explaining from science texts?* Paper presented at the 93rd Annual Meeting of the Midwestern Psychological Association.

Li, G.*, Guerrero, T. A., & Wiley, J. (2021, April). *Testing the limits of practice testing*. Poster presented at the 93rd Annual Meeting of the Midwestern Psychological Association.

Guerrero, T. A., Griffin, T. D. & Wiley, J. (2020, November). *When explanation helps and when it does not: A distinction between inference classifications*. Poster presented at the 61st Annual Meeting of the Psychonomic Society.

Guerrero, T. A., Griffin, T. D. & Wiley, J. (2020, July). *How do predictions change learning from science texts?* Poster presented at the 30th Annual Meeting of the Society for Text & Discourse.

Guerrero, T. A., & Wiley, J. (2020, July). *Is rereading critical for helping students learn by preparing to teach?* Paper accepted at the 30th Annual Meeting of the Society for Text & Discourse. [withdrawn]

Guerrero, T. A., & Wiley, J. (2020, May). *Expecting to teach improves motivation and engagement in learning from text*. Poster presented at the 32nd Annual Convention of the Association for Psychological Science (APS).

Guerrero, T. A., Griffin, T. D., & Wiley, J. (2020, April). *Generating explanations is more helpful than practice testing alone for improving comprehension and metacomprehension*. Paper presented at the 2020 Annual Meeting of the American Educational Research Association (AERA).

Griffin, T. D., Guerrero, T. A., Mielicki, M. K., & Wiley, J. (2020, April). *Improving metacomprehension and exam grades of students at-risk for failure via explanation and inference-test instruction*. Paper presented at the 2020 Annual Meeting of the American Educational Research Association (AERA).

Guerrero, T. A., & Wiley, J. (2019, November). *Teacher, teach thyself: Expectations of teaching on learning from text*. Poster presented at the 60th Annual Meeting of the Psychonomic Society, Montreal, Quebec, Canada.

Guerrero, T. A., & Wiley, J. (2019, July). *Learning by expecting-to-teach with complex science texts*. Paper presented at the 29th Annual Meeting of the Society for Text & Discourse, New York, NY.

Wiley, J., Guerrero, T. A., Mielicki, M. K., & Griffin, T. D. (2019, July). *Generating examples is not as effective as generating explanations for comprehension and metacomprehension*. Poster presented at the 29th Annual Meeting of the Society for Text & Discourse, New York, NY.

Guerrero, T. A. & Wiley, J. (2019, July) *Using "idealized peers" for automated evaluation of student understanding in an introductory psychology course*. Paper presented at the 20th International Conference on Artificial Intelligence in Education (AIED), Chicago, IL.

Guerrero, T. A., & Wiley, J. (2019, April). *When is note-taking noteworthy for learning from text?* Paper presented at the 91st Annual Meeting of the Midwestern Psychological Association, Chicago, IL.

Guerrero, T. A., Griffin, T. D., & Wiley, J. (2018, November). *The limitations of retrieval practice for comprehension*. Poster presented at the 59th Annual Meeting of the Psychonomic Society, New Orleans, LA.

Guerrero, T. A., & Wiley, J. (2018, July). *When explanation activities help: Testing for differential benefits on memory and inference questions*. Poster presented at the 28th Annual Meeting of the Society for Text & Discourse, Brighton, UK.

Griffin, T. D., Wiley, J., Guerrero, T. A., & Mielicki, M. K. (2018, July). *Improving metacomprehension accuracy in an authentic course context*. Paper presented at the 28th Annual Meeting of the Society for Text & Discourse, Brighton, UK.

Guerrero, T. A., & Wiley, J. (2018, July). *Effects of text availability and reasoning processes on test performance*. Poster presented at the 40th Annual Conference of the Cognitive Science Society, Madison, WI.

Guerrero, T. A., & Wiley, J. (2018, April). *Memory for text is not the same as comprehension: Differences between memory and inference questions*. Poster presented at the 90th annual meeting of the Midwestern Psychological Association Conference, Chicago, IL.

McCarthy, K. S., Perret, C. P., Likens, A. D., Johnson, A. M., Guerrero, T. A., & McNamara, D. S. (2017, November). *Stairstepper: Adapting iSTART for adult literacy learners*. Paper presented at the 47th Annual Meeting of the Society for Computers in Psychology (SCiP), Vancouver, British Columbia, Canada.

McCarthy, K. S., Guerrero, T. A., Kent, K. M., Allen, L. K., McNamara, D. S., Chao, S., Steinberg, J., O'Reilly, T., & Sabatini, J. (2017, July). *Learning from texts in a scenario-based assessment: General and topic-specific background knowledge*. Poster presented at the 27th Annual Meeting of the Society for Text & Discourse, Philadelphia, PA.

Allen, L. K., Perret, C. A., Guerrero, T. A., & McNamara, D. S. (2017, July). *You talkin' to me? The role of audience in the generation of explanations*. Poster presented at the 27th Annual Meeting of the Society for Text & Discourse, Philadelphia, PA.

Johnson, A. M., Guerrero, T. A., Tighe, E. L., & McNamara, D. S. (2017, June). *iSTART-ALL: Confronting adult low literacy with intelligent tutoring for reading comprehension*. Paper presented at the 18th International Conference on Artificial Intelligence in Education (AIED), Wuhan, China.

McCarthy, K. S., Jacovina, M. E., Snow, E. L., Guerrero, T. A., & McNamara, D. S. (2017, June). *iSTART therefore I understand: But metacognitive supports did not enhance comprehension gains*. Paper presented at the 18th International Conference on Artificial Intelligence in Education (AIED), Wuhan, China.

Dascalu, M., Jacovina, M. E., Soto, C. M., Allen, L. K., Guerrero, T. A., & McNamara, D. S. (2017, June). *Teaching iSTART to understand Spanish*. Poster presented at the 18th International Conference on Artificial Intelligence in Education (AIED), Wuhan, China.

Perret, C. P., Johnson, A. M., McCarthy, K. S., Guerrero, T. A., & McNamara, D. S. (2017, June). *StairStepper: An adaptive remedial iSTART module*. Poster presented at the 18th International Conference on Artificial Intelligence in Education (AIED), Wuhan, China.

Guerrero, T. A., Allen, L. K., & McNamara, D. S. (2016, December). *Linguistic features of feedback and revision behaviors in an intelligent tutoring system*. Poster presented at the 7th Annual ASUofA Cognitive Science Conclave, Tempe, AZ.

INVITED PRESENTATIONS

Guerrero, T. A. (2019, October). *Teaching the teacher: The effects of expecting to teach on learning*. Invited Speaker, Northern Illinois University.

CONTRIBUTIONS ON GRANT-FUNDED PROJECTS

Exploring the Mediators and Moderators of Metacomprehension Accuracy, IES #R305A160008, 2016-2023

This project explores post-secondary students' ability to self-monitor reading comprehension and learning processes as measured through metacomprehension accuracy.

Co-PIs: Jennifer Wiley, PhD & Thomas Griffin, PhD, University of Illinois at Chicago
Role: Graduate Research Assistant

Exploration of Automated Strategy Instruction for Adolescent Writers Using the Writing Pal, IES #R305A120707, 2012-2016

This project examined the effects of strategy instruction, individual differences in discourse, and the cognitive processes which interact with the writing process.

PI: Danielle S. McNamara, PhD, Arizona State University
Role: Research Specialist

Improving Adult Literacy through Intelligent Tutoring and Games, ONR #N00014-14-1-0343, 2014-2017

This project developed an adaptive literacy instruction tool for adults that would provide automated feedback during game-based practice activities as well as increased understanding of adult learners' needs, goals, motivations, and interests.

PI: Danielle S. McNamara, PhD, Arizona State University
Role: Research Specialist

Exploring the Educational Game Landscapes through Focused Studies and Ecological Interventions, IES #R305A130124, 2013-2017

This project explored factors that influence motivation and learning within iSTART (Interactive Strategy Training for Active Reading and Thinking) to engage and assist struggling readers using strategy instruction in self-explanation training, game-based learning, and formative feedback.

PI: Danielle S. McNamara, PhD, Arizona State University
Role: Research Specialist

What Types of Knowledge Matter for What Type of Comprehension? Exploring the Role of Background Knowledge on Students' Ability to Learn from Text, IES #R305A150176, 2015-2019

The goal of this project was to understand the relation between background knowledge and reading comprehension. This research explored of the different types, amounts, and levels of background knowledge that interact with comprehension of texts.

PI: Tenaha O'Reilly, PhD, Educational Testing Service (ETS)
Co-PIs: John P. Sabatini, PhD, Educational Testing Service (ETS) & Danielle S. McNamara, PhD, Arizona State University
Role: Research Specialist

RESEARCH EXPERIENCE

July 2017-
August 2023 Graduate Research Assistant
Comprehension, Creativity, and Collaboration Lab
Department of Psychology
University of Illinois at Chicago
Director: Jennifer Wiley, PhD

June 2016-
July 2017 Research Specialist
Science of Learning and Educational Technology
Institute for the Science of Teaching and Learning
Arizona State University
Director: Danielle S. McNamara, PhD

March 2015-
June 2016 Undergraduate Research Assistant
Science of Learning and Educational Technology
Institute for the Science of Teaching and Learning
Arizona State University
Director: Danielle S. McNamara, PhD

MENTORING EXPERIENCE

2022-2023 Anjali Chaudry Research Project
Improving hypothetical reasoning skills
Chancellor's Undergraduate Research Award

2021-2022 Lamorej Roberts Self-regulated learning in gateway science courses
Summer Research Opportunities Program
Project: Effects of example quality on comprehension
Honors Capstone
Project: Testing the effect of refutations on understanding
Society for Text and Discourse- Undergraduate Student Research Award

2021-2022 Jen Eng Measuring understanding with inference questions
Summer Research Opportunities Program
Project: Musical expertise and its influence on artificial grammar
Nancy Hirschberg Memorial Grant for Undergraduate Research
Nancy Hirschberg Memorial Prize for Undergraduate Excellence in
Psychology – Best Paper
College of Liberal Arts and Sciences Undergraduate Research Initiative

2021-2022 Aynsley Parker Self-regulated learning in gateway science courses

2021 Yujie Xiang Self-regulated learning in gateway science courses

2021 Kim De Souza Learning from Text

2020-2021 Meaghan Schmutz Self-regulated learning in gateway science courses

2020 Tom Doonan Self-regulated learning in gateway science courses

2020-2021 Liliana Zavala Self-regulated learning in gateway science courses

2019-2021 Bella Garcia Learning by preparing to teach
Chancellor's Undergraduate Research Award

2019-2021 Bianca Trigo Role of comparison in the interleaved advantage
Summer Research Opportunities Program

2019	Scott Jent	Metacomprehension in the classroom
2018-2020	Gabriella Lazinek	Learning by preparing to teach
2018-2021	Grace Li	Learning by preparing to teach
		Honor's College Undergraduate Research Grant
		Project: The impact of CARS question-type training for the MCAT
		College of Liberal Arts and Sciences Undergraduate Research Initiative
		Nancy Hirschberg Memorial Grant for Undergraduate Research
		Nancy Hirschberg Memorial Prize for Undergraduate Excellence in Psychology – Best Paper
2018	Mavheen Misbuddhin	Constructive activities to support understanding
		Chancellor's Undergraduate Research Award
2018	Aileen Zarate	Constructive activities to support understanding
2017	Pamela Teneqexhi	Constructive activities to support understanding
2017	Sai Talasila	Constructive activities to support understanding
2017	Kathryn Drzewiecki	Self-explanation in iSTART
2016	Hailey Adkins	Self-explanation in iSTART
2016-2017	Gary Ma	Self-explanation in iSTART
2016	Yijian Yang	Adult literacy & game-based learning
2016-2017	Yinyin Lu	Adult literacy & game-based learning
2016	Karthik Chandrashake	Adult literacy & game-based learning

TEACHING EXPERIENCE

	University of Illinois at Chicago, Chicago, IL
	Instructor of Record
Sp/Su 2024	HON 301: Introduction to Research
Spring 2023	HON 201: Text Analysis and Reasoning Skills: Understanding how to understand and learning what it means to learn from text
	Graduate Teaching Assistant
Spring 2023	PSCH 242: Research Methods
Fall 2022	PSCH 343: Introduction to Statistics
Spring 2022	PSCH 242: Research Methods
Fall 2021	PSCH352: Memory and Cognition
Spring 2021	PSCH 242: Research Methods
Fall 2020	PSCH 353: Laboratory in Cognition and Memory
2017-2019	PSCH 100: Introduction to Psychology
2015-2016	Perry High School, Gilbert, AZ
	Instructor
	Career and Technical Education: Culinary Arts
2008-2015	East Valley Institute of Technology, Mesa, AZ
	Instructor
	Career and Technical Education: Culinary Arts

2008-2009 Mesa Community College, Mesa, AZ
Instructor
FON 129: Customer Service

Awards & Scholarships

2022-2023 UIC Access to Excellence Retention Dissertation Fellowship, \$53,000
2021-2022 UIC COVID-19 Research Grant, \$2200
2020 UIC Psychology Department, Piorkowski Award, \$500
2019-2021 UIC Graduate College, Research Grant, \$15,000
2018-2020 UIC Graduate College, Conference Travel Award, \$4,500
2018-2023 National Science Foundation (NSF)
Graduate Research Fellowship Award (GRFP), \$138,000
2008 Julius Wiles Academic Achievement Award
2006 Academie Brillant-Savarin Award, \$1,000
2005-2008 SkillsUSA Scholarship, \$8,000
2005-2008 High Impact Leader Scholarship, \$16,000
2005-2006 Epicurean Scholarship, \$2,000
2004-2008 Careers through Culinary Arts Programs Scholarship, \$98,000

LANGUAGE & COMPUTER SKILLS

Computer Software

- SPSS, Proficient
- R, Proficient
- Python, Proficient
- Latent Semantic Analysis, Proficient
- Qualtrics, Proficient
- Natural Language Processing, Coh-Metrix, LIWC, Proficient

AD HOC REVIEWING

Journal of Experimental Psychology: Learning, Memory, and Cognition
Journal of Experimental Psychology: Applied
Journal of Applied Research in Memory & Cognition
Learning & Individual Differences
Metacognition & Learning
Discourse Processes

COMMITTEES & SERVICES

2024 Society for Text & Discourse
Conference Organization Committee
2023-2024 University of Illinois at Chicago Honors College
Undergraduate Capstone/Thesis Reviewer
2023 University of Illinois at Chicago Undergraduate Research Symposium
Organizer & Committee Chair

2023-2024 University of Illinois at Chicago Honors College
Research Grant Reviewer & Committee Member

2021 Tutoring Chicago
Literacy Program Tutor

2020 Psi Chi Graduate Student Panel
Invited Speaker

2018-2019 University of Illinois at Chicago Student Research Forum
Judge

2018-2024 Society for Text & Discourse
Program Committee

2014-2015 Recruitment Committee
 East Valley Institute of Technology
Chair

2010-2015 American Culinary Federation, Education Foundation
 East Valley Institute of Technology, Culinary Arts Certification
Program Director

2008-2015 Alumni Committee
 East Valley Institute of Technology
Member

2008-2015 Culinary Arts Advisory Board
 Scottsdale Community College, Culinary Arts
Member

2003-2021 Careers through Culinary Arts Programs
Advisor, Mentor, Competition Judge & Competition Coordinator