Amos Jeng

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EDUCATION

Ph.D., Educational Psychology 2025
University of Illinois Urbana-Champaign, Champaign, IL

M.S., Educational Psychology 2022
University of Illinois Urbana-Champaign, Champaign, IL

B.A., Cognitive Science, Philosophy 2018
Johns Hopkins University, Baltimore, MD

PROFESSIONAL APPOINTMENTS

Postdoctoral Research Fellow in Developmental Psychology 2025–present
NICHD T32 Training Grant, Department of Psychology
University of Michigan, Ann Arbor, MI

AWARDS, HONORS, FELLOWSHIPS, AND SCHOLARSHIPS

William C. Bagley Doctoral Scholarship (2024–2025), University of Illinois 2024
- Awarded to College of Education doctoral students based on academic merit, professional experience, public service, and commitment to the field of education (award amount: $2,000).

College of Education Dissertation Award, University of Illinois 2024
- Awarded to doctoral students to assist with dissertation completion based on research significance, methodological soundness, and feasibility of their work plan (award amount: $1,886).

Diversity Leadership Award, University of Illinois 2024
- Awarded by the Grainger College of Engineering Institute for Inclusion, Diversity, Equity, & Access (IDEA) to students who have made significant contributions towards the advancement of diversity, equity, and inclusion (award amount: $500).

William C. Bagley Doctoral Scholarship (2023–2024), University of Illinois 2023

National Science Foundation (NSF) Graduate Research Fellowship	2022

- Awarded to support outstanding graduate students pursuing research in STEM/STEM education. Provides three years of financial support, including an annual stipend ($34,000–$37,000/year) and tuition/fee coverage (~$30,000/year).

Illinois Distinguished Fellowship, University of Illinois	2020

- Awarded by the Graduate College to recruit exceptional applicants into its doctoral programs. Provides three years of financial support, including an annual stipend ($25,000/year) and tuition/fee coverage (~$30,000/year).

General Honors and Honors in Cognitive Science, Johns Hopkins University	2018

Conference Support Awards

University Block Grant Fellowship, Spring 2023 and Spring 2025, University of Illinois	2023–2025
Bureau of Educational Research Spring 2023, Fall 2023, and Spring 2025 Conference Participation Support Awards, University of Illinois	2023–2025
Graduate College Conference Presentation Award, University of Illinois	2023
AERA Division C Pre-Conference Graduate Student Seminar Travel Award	2023

Teaching and Mentoring Recognition

Graduate College Teaching Certificate, University of Illinois	2024

- Awarded to graduate students for demonstrating teaching development through documented experience, participation in workshops, faculty observations, and use of student feedback.

Fall 2023 List of Teachers Ranked as Excellent by Their Students, University of Illinois	2024
Fall 2022 List of Teachers Ranked as Excellent by Their Students, University of Illinois	2023
Graduate College Mentoring Certificate, University of Illinois	2022

- Awarded to graduate students for demonstrating intentional mentoring practices through mentorship training, a substantive mentoring experience, and development of a mentoring philosophy.

PUBLICATIONS

Peer-Reviewed Journal Articles

7. **Jeng, A.** (2024). Individualism and collectivism's impact on students' academic helping interactions: An integrative review. *Social Psychology of Education, 27,* 2771–2807. https://doi.org/10.1007/s11218-024-09920-4

6. **Jeng, A.,** Bosch, N., & Perry, M. (2024). Phatic expressions influence perceived helpfulness in online peer help-giving: A mixed methods study. *Learning and Instruction, 91,* 101893. https://doi.org/10.1016/j.learninstruc.2024.101893

5. Chen, D., **Jeng, A.,** Sun, S., & Kaptur, B. (2023). Use of technology-based assessments: A systematic review covering over 30 countries. *Assessment in Education: Principles, Policy & Practice, 30*(5–6), 396–428. https://doi.org/10.1080/0969594X.2023.2270181

4. **Jeng, A.,** Williams-Dobosz, D., Bosch, N., & Perry, M. (2023). Direct and indirect ways of being helpful in online peer help-giving interactions. *Computers & Education*, *205*, 104894. https://doi.org/10.1016/j.compedu.2023.104894

3. **Jeng, A.,** Bosch, N., & Perry, M. (2023). Sense of belonging predicts perceived helpfulness in online peer help-giving interactions. *The Internet and Higher Education, 57,* 100901. https://doi.org/10.1016/j.iheduc.2022.100901

2. **Jeng, A.,** McCarren, E.M., & Suñé, A.J. (2022). Food security and part-time work for students: Do race and region play a role? *Journal of American College Health, 72*(7), 2250–22*58*. https://doi.org/10.1080/07448481.2022.2109033

1. Williams-Dobosz, D., **Jeng, A.,** Azevedo, R. F. L., Bosch, N., Ray, C., & Perry, M. (2021). Ask for help: Online help-seeking and help-giving as indicators of cognitive and social presence for students underrepresented in chemistry. *Journal of Chemical Education*, acs.jchemed.1c00839. https://doi.org/10.1021/acs.jchemed.1c00839

Peer-Reviewed Published Conference Proceedings

6. Rayford, T., **Jeng, A.,** Ruedas-Gracia, N., & Song, D. (in press). Discrepancies in college belonging: How demographics may shape the fulfillment of belonging expectations. *Proceedings of the 19th International Conference of the Learning Sciences (ICLS) 2025.*

5. **Jeng, A.** & Perry, M. (2024). Contextualizing academic help-seeking and help-giving within a system view of culture. In Lindgren, R., Asino, T. I., Kyza, E. A., Looi, C. K., Keifert, D. T., & Suárez, E. (Eds.), *Proceedings of the 18th International Conference of the Learning Sciences (ICLS) 2024* (pp. 186–193). https://doi.org/10.22318/icls2024.181233

4. **Jeng, A.,** Bosch, N., & Perry, M. (2023). Perceived helpfulness of phatic expressions in online help-giving interactions. In P. Blikstein, J. V. Aalst, R. Kizito, & K. Brennan (Eds.), *Proceedings of the 17th International Conference of the Learning Sciences (ICLS) 2023* (pp. 1779–1780). International Society of the Learning Sciences. https://doi.org/10.22318/icls2023.314349

3. **Jeng, A.,** Vemuri, A., & Perry, M. (2023). Predictors of sense of belonging to one's course community for online and in-person learners. In P. Blikstein, J. V. Aalst, R. Kizito, & K. Brennan (Eds.), *Proceedings of the 17th International Conference of the Learning Sciences (ICLS) 2023* (pp. 1781–1782). International Society of the Learning Sciences. https://doi.org/10.22318/icls2023.440607

2. **Jeng, A.,** Valdiviejas, H., & Perry, M. (2022). A path analysis of gender differences in social presence in online course discussion forums. In C. Chinn, E. Tan, C. Chan, & Y. Kali (Eds.), *Proceedings of the 16th International Conference of the Learning Sciences (ICLS) 2022* (pp. 937–940). International Society of the Learning Sciences. https://repository.isls.org//handle/1/8899

1. Williams-Dobosz, D., Azevedo, R. F. L., **Jeng, A.,** Thakkar, V., Bhat, S., Bosch, N., & Perry, M. (2021). A social network analysis of online engagement for college students traditionally underrepresented in STEM. *LAK21: 11th International Learning Analytics and Knowledge Conference*, 207–215. https://doi.org/10.1145/3448139.3448159

MANUSCRIPTS UNDER REVIEW

Jeng, A. *Cultural values intersect to predict help-seeking avoidance in college statistics*

Jeng, A. *Examining the associations between individualism, collectivism, and undergraduate students' engagement in academic help-seeking and help-giving.*

Jeng, A. *A cultural perspective on academic help-seeking and help-giving among undergraduate students of East Asian and European descent.*

Rao, V.N.V., **Jeng, A.,** Drew, J., Kala, B., Gongati, S. *How generative AI supports students doing statistics: A multiple descriptive case study.*

CONFERENCE PRESENTATIONS

18. **Jeng, A.** (2025, August 7–9). *Cultural influences on help-seeking and help-giving for students of European and East Asian descent* [Poster session]. American Psychological Association (APA) Convention, Denver, Colorado.

17. Drew, J., **Jeng, A.,** Reyes Denis, T., & Rao, V.N.V. (2025, July 17–19). *Rtutor.AI data homeworks – incorporating AI into introductory statistics* [Beyond session]. 2025 US Conference on Teaching Statistics (USCOTS), Ames, Iowa.

16. Gongati, S., Drew, J., Kala, B., **Jeng, A.,** & Rao, V.N.V. (2025, July 17–19). *Students' statistical thinking when using generative AI* [Poster session]. 2025 US Conference on Teaching Statistics (USCOTS), Ames, Iowa.

15. **Jeng, A.** (2025, April 23–27). *Academic help-seeking in a cultural context: The roles of individualism and collectivism* [Symposium presentation]. In C. J. Fong & A. Kennedy (Co-chairs), *Toward a contextually grounded and sociocultural understanding of academic help-seeking: New directions and perspectives.* 2025 American Educational Research Association (AERA) Annual Meeting, Denver, Colorado.

14. Vemuri, A., **Jeng, A.,** & Perry, M. (2025, April 23–27). *Intrinsic motivation of women in STEM: A self-determination theory perspective* [Poster session]. 2025 American Educational Research Association (AERA) Annual Meeting, Denver, Colorado.

13. Sewell, M. & **Jeng, A.** (2025, April 23–27). *The developmental relevance of academic help-giving during adolescence* [Paper session]. 2025 American Educational Research Association (AERA) Annual Meeting, Denver, Colorado.

12. Perry, M., Bosch, N., **Jeng, A.,** & Williams-Dobosz, D. (2024, November 8). *Documenting success among students who are underrepresented in STEM in online STEM college courses* [Panel discussion]. Illinois Online Higher Education Symposium, Online.

11. **Jeng, A.** (2024, August 8–10). *Individualism and collectivism's impact on students' willingness to seek and give academic help* [Virtual poster]. American Psychological Association (APA) Convention, Seattle, Washington.

10. **Jeng, A.,** Williams-Dobosz, D., Bosch, N., & Perry, M. (2024, August 8–10). *Understanding where undergraduate students go when they need academic help* [Poster session]. American Psychological Association (APA) Convention, Seattle, Washington.

9. **Jeng, A.** (2024, March 1). *Examining academic help-seeking and help-giving behaviors in individualist and collectivist contexts: An integrative review* [Paper presentation]. 15th Annual College of Education Graduate Student Conference, Champaign, Illinois.

8. **Jeng, A.** (2023, October 13–15) *College students' experiences with academic help-seeking in a cultural context* [Research presentation]. 2023 Learning Sciences Graduate Student Conference (LSGSC), Iowa City, Iowa.

7. Rayford, T., **Jeng, A.,** Ruedas-Gracia, N., & Song, D. (2023, April 13–16). *Belonging fulfillment: Are universities fulfilling college students' expectations about belonging?* [Paper session]. 2023 American Educational Research Association (AERA) Annual Meeting, Chicago, Illinois.

6. **Jeng, A.,** Bosch, N., Vemuri, A., & Perry, M. (2023, April 13–16). *Sense of belonging and social support in online peer help-giving interactions* [Poster session]. 2023 American Educational Research Association (AERA) Annual Meeting, Chicago, Illinois.

5. **Jeng, A.** (2023, March 3). *Social comments and perceived helpfulness in online peer help-giving interactions* [Poster session]. 14th Annual College of Education Graduate Student Conference, Champaign, Illinois.

4. **Jeng, A.** (2022, May 18–21). *Academic help-seeking among Asian American college students* [Conference presentation]. 18th International Congress of Qualitative Inquiry (ICQI), Champaign, Illinois.

3. **Jeng, A.** (2022, April 21–23). *Sense of belonging as a predictor of perceived helpfulness in a college statistics course discussion forum* [Poster session]. 2022 Cognitive Development Society Bi-Ennial Conference, Madison, Wisconsin.

2. Rayford, T. & **Jeng, A.** (2022, March 4). (*Un)fulfilled belonging among college students* [Poster session]. 13th Annual College of Education Graduate Student Conference, Champaign, Illinois.

1. **Jeng, A.** (2021, March 5). *Student perceptions of helpfulness in online course discussion forums* [Poster session]. 12th Annual College of Education Graduate Student Conference, Champaign, Illinois.

UNIVERSITY TEACHING AND MENTORING EXPERIENCE

University of Illinois Urbana-Champaign, Champaign, IL

Graduate Assistant, Department of Statistics
- Fall 2024, Spring 2025
- Mentored undergraduate students in a research project examining the computational thinking skills necessary to use generative AI applications to complete statistical tasks; led mentees in training sessions focused on interview data collection, transcription, project management, and collaborative qualitative data analysis

Teaching Assistant, *Educational Psychology* (EPSY 201)
- Fall 2022, Fall 2023, Spring 2024
- Led weekly discussion sections to review and expand on key lecture concepts through in-class activities; held office hours; graded assignments and projects

Graduate Student Mentor, *Independent Study* (EPSY 395)
- Fall 2022, Spring 2023, Fall 2023, Spring 2024
- Mentored an undergraduate student assisting with research projects on online help-seeking and help-giving, involving them in data coding, analysis, and manuscript preparation; guided mentee in designing and implementing an independent research project that culminated in a Bachelor's thesis

Graduate Student Mentor, *Undergraduate Research Apprenticeship Program (URAP)*
- Fall 2021, Spring 2022
- Mentored an undergraduate mentee new to the research process through weekly meetings and involvement in various projects; guided mentee in creating a research poster presented at the Undergraduate Research Symposium; completed formal mentorship training

Undergraduate Students Mentored

- Preetha Manjunath (Research Assistant, Spring 2025)
- Jasmin Zepeda (Research Assistant, Spring 2025)
- Sanju Gongati (Research Assistant, 2024–2025)
- Julianna Drew (Research Assistant, Fall 2024)
- Bhuvan Kala (Research Assistant, Fall 2024)
- Aparajita Vemuri (URAP Mentee, Independent Study Student, 2021–2024)

GRANTS

"In League with STEM," Grainger College of Engineering Institute for Inclusion, Diversity, Equity & Access (IDEA), University of Illinois, $11,629, 2023–2024. PI: C. Bruhn.   2023
- *Role:* Co-Investigator
- *Objective:* To implement and investigate outcomes associated with a culturally responsive STEM mentorship program aimed at fostering STEM motivation among Black adolescent males in Central Illinois

INVITED TALKS AND PRESENTATIONS

(2025, April 24). *Division C fireside chat: From proposal to defense: Navigating the Ph.D. dissertation journey.* Invited panelist at the 2025 American Educational Research Association (AERA) Annual Meeting, Denver, Colorado.

(2025, April 22). *Navigating the academic job market in the U.S.* Invited panelist at the Asian American Cultural Center, University of Illinois Urbana-Champaign, Urbana, Illinois.

PROFESSIONAL SERVICE

University of Illinois Urbana-Champaign, Champaign, IL

Student Advising on Graduate Education (SAGE) Advisory Board
- Fall 2023, Spring 2024
- Served on a graduate student advisory board providing input to the campus-wide Graduate College on their programs, resources, and services.

College of Education Graduate Student Conference (GSC) Planning Committee
- Fall 2022, Spring 2023
- Served on the planning committee for the annual Graduate Student Conference, attending monthly meetings, reviewing abstract submissions, and coordinating conference activities.

STEM For All Video Showcase Presenter
- Spring 2022
- Contributed to a video showcase highlighting federally funded projects to improve STEM education, presenting findings on effective online help-giving in college course discussion forums.

Ad Hoc Journal Reviews
Advances in Mental Health
Humanities and Social Sciences Communications
Instructional Science
Journal of Cross-Cultural Psychology
npj Science of Learning

Conference Reviews
American Educational Research Association (AERA) Annual Meeting
American Psychological Association (APA) Annual Convention
College of Education Graduate Student Conference (GSC), University of Illinois Urbana-Champaign
International Society of the Learning Sciences (ISLS) Annual Meeting
Learning Sciences Graduate Student Conference (LSGSC)

Professional Affiliations
American Educational Research Association (AERA)
American Psychological Association (APA)
Cognitive Development Society (CDS)

International Society of the Learning Sciences (ISLS)

OTHER PROFESSIONAL EXPERIENCE

Graduate Research Assistant   2020–2022
iLearn Group, University of Illinois, Champaign, IL
- Collaborated with an interdisciplinary team of researchers to understand and improve students' learning experiences in online STEM courses, focusing on how students learn through interactions on course discussion forums.

Research Coordinator   2019–2020
Center for Neurodevelopmental and Imaging Research, Baltimore, MD
- Assisted with the implementation of various ongoing pediatric studies for the Center for Neurodevelopmental and Imaging Research at Kennedy Krieger Institute.

Research Coordinator   2018–2019
Johns Hopkins Carey Business School, Baltimore, MD
- Assisted in the design and implementation of an eye-tracking study investigating decision-making in hiring practices within the labor market.

Classroom Assistant   2016–2019
Village Learning Place, Baltimore, MD
- Supported elementary school students in a local mathematics and reading academic program throughout the summer and school year.
- Collaborated with teachers to implement effective teaching strategies and provide individualized support to students.

Research Assistant   2017
Johns Hopkins Lab for Child Development, Baltimore, MD
- Assisted in daily lab operations and supported various research activities in the Lab for Child Development.

Test Development Intern   2017
Educational Testing Service, Princeton, NJ
- Collaborated with a test development team to create a standardized assessment for evaluating listening skills in students from grades 3–10.