

XIAO-YIN CHEN

Department of Educational Psychology

Mary Frances Early College of Education, University of Georgia

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EDUCATION

Doctor of Philosophy (PhD), Applied Cognition and Development (In Progress)

Advisor: Dr. Emily Q. Rosenzweig

Dissertation Committee: Drs. Emily Q. Rosenzweig (chair), Michael Barger, DeLeon Gray, Erin Dolan
University of Georgia, Athens, GA

Master of Science (MS), Educational Psychology May 2020

Thesis: *Is Seeing Believing? Leveraging Delivery Modality and Similarity in a Social-Psychological Belonging Intervention*

Thesis Committee: Drs. Ellen L. Usher (chair), Michael Toland, Christia S. Brown, Narmada Paul
University of Kentucky, Lexington, KY

Bachelor of Arts (BA), Psychology May 2018

Certificate in Social Science Research

Summa Cum Laude Honors

Honors Thesis: *Social Foundations of Engineering Self-Efficacy*

Thesis Advisor: Dr. Ellen L. Usher

University of Kentucky, Lexington, KY

ACADEMIC APPOINTMENTS

Graduate Research Scholar 2020 to present

Department of Educational Psychology
Mary Frances Early College of Education
University of Georgia

Graduate Assistant 2019 to 2020

Student Transitions and Family Programs
University of Kentucky

Graduate Research Assistant, Lab Coordinator 2017 to 2020

P20 Motivation and Learning Lab
Department of Educational, School, and Counseling Psychology
College of Education
University of Kentucky

AWARDS AND RECOGNITIONS

Anti-Racism Committee's Recognition of Allyship Award 2021

Department of Educational Psychology, University of Georgia

- Outstanding PhD Student in Applied Cognition and Development** **2021**
Department of Educational Psychology, University of Georgia
- Research Pitch Finalist & Grand Prize Winner (\$1500)** **2021**
Project: *Appalachian High Schoolers' Experiences in College Preparatory Programs*
Graduate Student Shark Tank Competition
Division C, American Education Research Association
- James Miller Award for Honors Thesis Research (\$150)** **2018**
Project: *The Social Foundations of Engineering Self-Efficacy*
Department of Psychology, University of Kentucky
- Excellence in Internship/Service Learning Award** **2018**
Department of Psychology, University of Kentucky
- Outstanding Psychology Major Award Nomination** **2018**
Department of Psychology, University of Kentucky
- Undergraduate Scholar** **2018**
Society for Research on Adolescence (SRA)
SRA Biennial Meeting in Minneapolis, MN

PUBLICATIONS AND MANUSCRIPTS

- Chen, X.-Y.**, Han, J., Usher, E. L., M. S., Kennedy, & Mamaril, N. A. *He said, She said: Examining the structural invariance of the sources of engineering self-efficacy by gender*. Manuscript in preparation.
- Ford, C. J., Usher, E. L., Scott, V. L., & **Chen, X.-Y.** (under review). *The "perfect" lens: Effects of perfectionism on early adolescents' math self-efficacy development*.
- Rosenzweig, E. Q., **Chen, X.-Y.**, & Bradshaw, L. (under review). *How can interventions address students' multiple motivational needs? A laboratory experiment comparing adaptive and multiconstruct approaches*.
- Chen, X.-Y.**, & Rosenzweig, E. Q. (under review). *What types of feathers flock together? Different dimensions of role model similarities uniquely support STEM motivation*.
- Chen, X.-Y.**, Roeder, M. L., Johnson, A. A., Usher, E. L., M. S., Kennedy, & Mamaril, N. A. (under review). *Mastery, models, messengers, and mixed emotions: Examining the development of engineering self-efficacy by gender*.
- McKee, S., Brown-Iannuzzi, J., Usher, E. L., **Chen, X.-Y.**, & Brown, C. S. (under review). *Local socioeconomic comparisons predict academic achievement in the first year of college*.
- Lingat, J. E. M., Toland, M. D., Qui, C., **Chen, X.-Y.**, Han, J., Shen, L., Ford, C. K., Love, A. M. A., Li, C. R., Blevins, J., Clement, T., White, C., Jeter, K., Kehrwald, N. P., & Williams, C. M. (2021). Optimizing the measurement of resident advisors' self-efficacy using the Rasch model. *Journal of College and University Student Housing*, 48(1).

NON-PEER REVIEWED PUBLICATIONS

*indicates equal authorship contribution

Matthews, J. S., Gray, D. L., Lachaud, Q., McElveen, T., **Chen, X.-Y.**, Victor, T., & Okai, E. (2021, October 15). *Belonging-Centered Instruction: An Observational Approach toward Establishing Inclusive Mathematics Classrooms*. Preprint retrieved from osf.io/n7bv2

Koenka, A. C., **Chen, X.-Y.***, Nicolai, K. D.*, & White-Levatich, A*. (2021, October). Conducting equity-focused research from an achievement goal theory framework: Looking back and moving forward [Editorial]. *AERA's Studying and Self-Regulated Learning (SSRL) SIG's Time Magazine*, 4(6), 10.

Chen, X.-Y. (2019, September). Identity, power, and equity in education [Editorial]. *Kentucky Kernel*, Fall 2019, 10-11.

SCHOLARLY PRESENTATIONS

* indicates undergraduate student mentee

INTERNATIONAL AND NATIONAL PRESENTATIONS

Chen, X.-Y., Gray, D. L., & Matthews, J. S. (2022, April 22-25). Using state space grids to assess patterns of belonging supports in middle school mathematics classrooms [Roundtable presentation]. American Educational Research Association, San Diego, CA.

Chen, X.-Y., & Rosenzweig, E. Q. (2022, April 22-25). What types of feathers flock together? How role model similarities support STEM motivation. In J. Gladstone (Chair), *Motivational Messages to Broaden Participation in STEM: Important Features of Messages and Messengers* [Paper presentation]. Accepted for presentation at the American Educational Research Association, San Diego, CA.

Rosenzweig, E. Q., & **Chen, X.-Y.** (2022, April 22-25). How can we address students' multiple motivational needs in interventions? Comparing adaptive and multifaceted approaches [Paper presentation]. American Educational Research Association, San Diego, CA.

*Henneberg, L. C., **Chen, X.-Y.**, & Usher, E. L. (2021, April 9-12). *Appalachian high schoolers' sense of belonging in high achieving environments* [Paper presentation]. Division C Graduate Student Shark Tank Competition at the American Educational Research Association.

Brown, C. S., McKee, S., Brown-Iannuzzi, J., Usher, E. L., & **Chen, X.-Y.** (2021, April 7-9). It's the comparison that matters: How local subjective social status and school belonging predicts academic achievement and retention among adolescents. In K. Simon (Chair), *Understandings of subjective social status and predictors of educational achievement among youth* [Symposium]. Society for Research in Child Development Biennial Meeting.

Han, J., **Chen, X.-Y.**, Usher, E. L., & Brown, C. S. (2020, April 17-21). *Trajectories and outcomes of first-year college students' self-regulation* [Poster presentation]. American Educational Research Association, San Francisco, CA. (Conference cancelled)

Chen, X.-Y., Usher, E. L., Brown, C. S., & Ford, C. J. (2019, August 12-16). *Is seeing believing? Comparing perceived similarity in a dual-modality belonging intervention* [Poster presentation]. European Association for Research on Learning and Instruction Biennial Meeting, Aachen, Germany.

- Ford, C. J., Usher, E. L., Scott, V. L., & **Chen, X.-Y.** (2019, August 12-16). *The “perfect” lens: Effects of perfectionism on early adolescents’ math self-efficacy development* [Paper presentation]. European Association for Research on Learning and Instruction Biennial Meeting, Aachen, Germany.
- Han, J., Usher, E. L., Li, C. R., Ford, C. J., **Chen, X.-Y.**, Corcoran, K. A., Worrick, C. E., & Brown, C. S. (2019, August 12-16). *Quantitative self-efficacy across the first year of college: Trajectories by gender and STEM major* [Poster presentation]. European Association for Research on Learning and Instruction Biennial Meeting, Aachen, Germany.
- Toland, M. D., Lingat, J. M., Qiu, C., Li, C., Ford, C. J., **Chen, X.-Y.**, Han, J., Clement, T., Blevin, J., Shen, L. (2019, August 8-11). *Measuring resident advisor self-efficacy: A differential item functioning study* [Poster presentation]. Annual Meeting of the American Psychological Association, Chicago, IL.
- *Scott, V. L., Ford, C. J., Usher, E. L., & **Chen, X.-Y.** (2019, April 11-13). *Gender, perfectionism, and math self-efficacy in elementary and middle school students* [Poster presentation]. National Conference for Undergraduate Research, Kennesaw, GA.
- Chen, X.-Y.**, Usher, E. L., Brown, C. S., & Ford, C. J. (2019, April 5-9). Brief social belonging intervention for first-year students at a land grant university: Does modality matter? In E. A. Canning & M. C. Murphy (Chairs), *Challenges and opportunities: Exploring first-generation college students’ lived experiences and interventions to support their success* [Symposium]. Annual Meeting of the American Educational Research Association. Toronto, Canada.
- Chen, X.-Y.**, Roeder, M. L., Johnson, A. A., Mamaril, N. A., & Usher, E. L. (2018, August 9-12). *Sources of engineering self-efficacy in undergraduate engineering: An analysis of open-ended responses* [Paper presentation]. Annual Meeting of the American Psychological Association, San Francisco, CA.
- Nelson, A. A., Ford, C. J., **Chen, X.-Y.**, Usher, E. L., & Brown, C. S. (2018, April 12-14). *Evidence from a social-belonging intervention to improve retention of underrepresented college students* [Poster presentation]. Society for Research on Adolescence Biennial Meeting, Minneapolis, MN.
- Ford, C. J., Nelson, A. A., **Chen, X.-Y.**, Usher, E. L., & Brown, C. S. (2018, April 13-17). *Preliminary evaluation of a living-learning program (LLP) for first-generation college students: A quasi-experimental approach.* [Paper presentation]. Annual Meeting of the American Educational Research Association. New York, NY.
- Li, C. R., Usher, E. L., Mamaril, N. A., **Chen, X.-Y.**, Roeder, M. L., Bohac, S. W., Chenot, S. B., & Kennedy, M. S. (2016, August 4-7). *Sources of self-efficacy in engineering students* [Poster presentation]. Annual Meeting of the American Psychological Association, Denver, CO.
- Love, A. M. A., Toland, M. D., McCrea, B. L., **Chen, X.-Y.**, Findley, J. A., & Usher, E. L. (2016, August 4-7). *Preliminary scale development of a teacher self-efficacy scale for students with autism* [Poster presentation]. Annual Meeting of the American Psychological Association, Denver, CO.

REGIONAL AND LOCAL PRESENTATIONS

- *Henneberg, L. C., **Chen, X.-Y.**, & Usher, E. L. (2021, March 6). *Appalachian high schoolers’ sense of belonging in high achieving environments* [Paper presentation]. Spring Research Conference, Louisville, KY.

- *Stevens, K. E., *Porter, J. E. D., **Chen, X.-Y.**, Usher, E. L. (2020, March 7). *Who worries about belonging? Investigating first-year students' belonging and engagement in college*. [Poster presentation]. Spring Research Conference, Cincinnati, OH.
- *Stevens, K. E., *Mitsos, J. E., **Chen, X.-Y.**, Usher, E. L., & Brown, C. S. (2019, April 24). *Brief social belonging intervention for first-year students at a land grant university: Does modality matter?* [Poster presentation]. University of Kentucky Undergraduate Research Showcase, Lexington, KY.
- Chen, X.-Y.**, *Stevens, K. E., *Mitsos, J. E., Ford, C. J., Usher, E. L., & Brown, C. S. (2019, March 2). *Brief social belonging intervention for first-year students at a land grant university: Does modality matter?* [Paper presentation]. Spring Research Conference, Lexington, KY.
- Han, J., Corcoran, K. A., Li, C. R., Ford, C. J., **Chen, X.-Y.**, Worick, C. E., Usher, E. L., & Brown, C. S. (2019, March 2). *First-year college students' STEM-related self-efficacy: Longitudinal measurement invariance and trajectories by gender* [Paper presentation]. Spring Research Conference, Lexington, KY.
- *Scott, V. L., Ford, C. J., Usher, E. L., & **Chen, X.-Y.** (2019, March 2). *Gender, perfectionism, and math self-efficacy in elementary and middle school students* [Poster presentation]. Spring Research Conference, Lexington, KY.
- Chen, X.-Y.**, & Usher, E. L. (2018, April 25). *The social foundations of engineering self-efficacy* [Poster presentation]. University of Kentucky Undergraduate Research Showcase and Psychology Honors Day. Lexington, KY.
- Chen, X.-Y.**, *Hayes, I. M., *Fautsch, N. M., & Usher, E. L. (2018, March 24). *Academic mindset in first-year undergraduate students* [Poster presentation]. Spring Research Conference. Shelbyville, KY.
- Chen, X.-Y.**, Roeder, M. L., Johnson, A. R., & Usher, E. L. (2017, April 1). *The roots of self-efficacy in undergraduate engineering* [Poster presentation]. Spring Research Conference, Cincinnati, OH and at the University of Kentucky Undergraduate Research Showcase, Lexington, KY.
- Chen, X.-Y.**, Li, C., & Usher, E. L. (2016, March 26). *Social models and engineering self-efficacy: What engineers do you know?* [Paper presentation]. Spring Research Conference. Lexington, KY.
- Jones, R. S., Kim, N. A., Li, C. L., **Chen, X.-Y.**, Neeley, R. M., Usher, E. L., & Danner, F. (2015, March 28). *At-risk adolescents' autonomy, relatedness, and stigma: A story of interaction* [Paper presentation]. Spring Research Conference. Louisville, KY.

INVITED COLLOQUIA

- Nicolai, K. D., & **Chen, X.-Y.** (Chairs). (2022, April 22-25). *Discussing Race, Ethnicity, and Culture While Teaching Educational Psychology* [Symposium]. American Educational Research Association, San Diego, CA.
- Invited Panelist (2022, February 25). *Fostering Diversity, Equity, and Inclusion through Mentorship*. Virtual panel sponsored by the AERA Motivation in Education Special Interest Group's Early Career Research Committee.

Session Moderator (2021, September 13). *Academia, social media, and creating a personal brand with Drs. Carlton Fong, Benjamin Heddy, and Sharon Zumbrunn*. Virtual panel sponsored by the AERA Motivation in Education Special Interest Group's Graduate Student Committee.

Gray, D. L., **Chen, X.-Y.**, & Matthews, J. S. (2021, April 30). *Belonging-centered instruction: Observation protocol development and use cases*. Invited presentation to the Student Experience Research Network (SERN).

Session Moderator (2021, April 8-12), Keeping the conversation going: Next steps in theoretical approaches to understanding the academic motivation of racially and ethnically diverse students (A. C. Koenka & A. Wigfield, chairs). Symposium presented at the virtual annual meeting of the American Educational Research Association

Usher, E. L., Han, J., & **Chen, X.-Y.** (2019, November 18). *Do I belong here? Investigating the first-year college experience*. Invited presentation at the Educational Psychology Brown Bag. Ohio State University, Columbus, OH.

Chen, X.-Y. (2019, March 9). [*Discovering—and rediscovering—my identity*](#). Invited presentation at TEDxCorbin, Corbin, KY.

Usher, E. L., **Chen, X.-Y.**, & Han, J. (2019, February 15). *First year student social belonging, academic motivation, and success*. Invited presentation at the Developmental Psychology Departmental Brown Bag, University of Kentucky, Lexington, KY.

Chen, X.-Y., & Lingat, J. M. (2018, April 7). *Getting your feet wet: Working (successfully) in a research lab*. Invited panelist at the Kentucky Psychological Association Spring Academic Conference, Eastern Kentucky University, Richmond, KY.

GRANT AND FELLOWSHIP FUNDING

Travel Award (\$125)	2022
Teaching Educational Psychology Special Interest Group, American Education Research Association Project: <i>Discussing Race, Ethnicity, and Culture While Teaching Educational Psychology</i> [Symposium].	
Shark Tank Grand Prize Winner (\$1500)	2021
Division C, American Educational Research Association	
Research Scholar Award (tuition, stipend, and research funds)	2020 to 2024
College of Education, University of Georgia	
Ally Development Workshop Fellowship (\$2000)	2019
Department of Educational, School, and Counseling Psychology University of Kentucky	
Travel Award (\$300)	2019
Graduate Student Congress, University of Kentucky Project: <i>Is seeing believing? Comparing perceived similarity in a dual-modality belonging intervention</i>	

Student Travel Award (\$150)	2019
Motivation in Education Special Interest Group, American Education Research Association Project: <i>Brief social belonging intervention for first-year students at a land grant university: Does modality matter?</i>	
Graduate Fellowship (tuition and stipend)	2018 to 2019
College of Education, University of Kentucky Helen Thacker Graduate Fellowship Lesli Martin Endowed Fellowship Doris Nowak & William E. Stilwell, III Graduate Fellowship	
Undergraduate Scholar Fellowship (conference funding)	2018
Society for Research on Adolescence	
Undergraduate Research Travel Grant (\$600)	2017
Office of Undergraduate Research, University of Kentucky Project: <i>Sources of Engineering Self-Efficacy</i>	
Research Fellowship (\$8000)	2017 to 2018
Center for Equality and Social Justice Research, University of Kentucky Project: <i>Freshman Belonging Intervention</i>	
Research & Creativity Fellowship (\$2000)	2016
Office of Undergraduate Research, University of Kentucky Project: <i>Social Modeling Intervention on Engineering Self-Efficacy</i>	

RESEARCH EXPERIENCE

Graduate Research Assistant	2020 to present
Motivation and Academic Challenges Lab Directors: Dr. Emily Rosenzweig & Dr. Michael Barger	
Research Assistant	2019 to present
Belonging for Equity in Learning Lab Directors: Dr. Jamaal S. Matthews & Dr. DeLeon Gray	
Graduate Research Assistant/Lab Coordinator	2017 to 2020
P20 Motivation and Learning Lab Director: Dr. Ellen L. Usher	
Graduate Research Assistant	2018 to 2020
Applied Psychometric Strategies Lab Director: Dr. Michael D. Toland	
Undergraduate Research Fellow	2017 to 2018
Center for Equality and Social Justice Director: Dr. Christia S. Brown	

TEACHING EXPERIENCE

- Workshop Instructor** **2022**
“Loving to Learn: How to Promote Interest and Intrinsic Motivation in the Classroom”
Torrance Center Summer Institute (TCSI)
Mary Frances Early College of Education
University of Georgia, Athens, GA
- Invited Guest Lecture** **2022**
“Using State Space Grids to Assess Patterns of Belonging”
Course Title: School Belonging
Instructor of Record: Dr. DeLeon Gray
North Carolina State University, Raleigh, NC
- Invited Guest Lecture** **2022**
“Cognitive Views of Learning”
Course Title: Exploring Learning and Teaching
Instructor of Record: Gina Thomas
University of Georgia, Athens, GA
- Invited Guest Lecture** **2021**
“How Do We Study Peers and Their Influence?”
Course Title: Motivational Foundations for Education
Instructor of Record: Dr. Emily Rosenzweig
University of Georgia, Athens, GA
- Invited Guest Lecture** **2021**
“Expanding The Idea of ‘Diversity’ and Integrating Core Beliefs into Action.”
Course Title: Ethics and Multicultural Diversity
Instructor of Record: Tommie Saragas
Lindsey Wilson College, Columbia, KY
- Workshop Instructor** **2019 to 2020**
“Ally Development Workshop”
Department of Educational, School, and Counseling Psychology
University of Kentucky, Lexington, KY
- K-12 Substitute Teacher** **2018 to 2020**
Scott County Public Schools, Georgetown, Kentucky
- Workshop Instructor** **2018**
“A Gentle Introduction to SPSS Statistics”
Quantitative Initiative for Policy and Social Research (QIPSR)
University of Kentucky, Lexington, KY

PROFESSIONAL DEVELOPMENT

- Improving Evaluations of the Design of Evaluation Studies in STEM** **Summer 2021**
Summer Research Training Institute

Institute for Policy Research
Northwestern University

Seminar on School Belonging

Spring 2020

Dr. DeLeon Gray
Department of Teacher Education and Learning Sciences
College of Education
North Carolina State University

PROFESSIONAL SERVICE

GREP President

2022 to present

Graduate Researchers in Educational Psychology (GREP)
Mary Frances Early College of Education
Department of Educational Psychology
University of Georgia

Committee Member

2020 to present

Anti-Racism Committee
Department of Educational Psychology
Mary Frances Early College of Education
University of Georgia

Graduate Student Co-Chair

2020 to 2022

Graduate Student Committee
Motivation in Education Special Interest Group
American Educational Research Association

Program Chair Graduate Assistant

2021 to 2022

Program Chair, Dr. Emily Rosenzweig
Division C Section 2b: Learning and Motivation in Social Contexts

GREP Secretary

2021 to 2022

Graduate Researchers in Educational Psychology (GREP)
Mary Frances Early College of Education
Department of Educational Psychology
University of Georgia

Committee Member

2019 to 2020

Life After UK (Undergraduate) Conference Committee
University of Kentucky

Committee Chair

2018 to 2019

Spring Research Conference Committee
University of Kentucky

Undergraduate Scholar

2018

Society for Research on Adolescence
2018 SRA Biennial Meeting (Minneapolis, MN)

AFFILIATIONS

American Educational Research Association

Division C: Learning and Instruction
Special Interest Group: Motivation in Education
Special Interest Group: Teaching Educational Psychology

American Psychological Association

American Psychological Association of Graduate Student (APAGS)
Division 15: Educational Psychology

European Association for Research on Learning and Instruction

Junior Researchers of EARLI (JURE)
Special Interest Group 08: Motivation and Emotions

Graduate Researchers in Educational Psychology (GREP)

University of Georgia

Society for Personality and Social Psychology (SPSP)

REFERENCES

Dr. Emily Q. Rosenzweig

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Director, Motivation and Academic Challenges Lab
Mary Frances Early College of Education
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Dr. Ellen L. Usher

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Director, P20 Motivation and Learning Lab
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