

CURRICULUM VITAE

University of Idaho

NAME: Shiyi Chen, Ph.D.

DATE: Oct. 29th, 2020

RANK OR TITLE: Tenure-Track Assistant Professor of Child Development

DEPARTMENT: Margaret Ritchie School of Family & Consumer Sciences

OFFICE LOCATION AND CAMPUS ZIP: Niccolls 302C, 3183

OFFICE PHONE: 208-885-7664

EMAIL: shiyic@uidaho.edu

DATE OF FIRST EMPLOYMENT AT UI: August 2019

DATE OF TENURE: --

DATE OF PRESENT RANK OR TITLE: August 2019

EDUCATION BEYOND HIGH SCHOOL:

Degrees: Ph.D. in Educational Psychology, Florida State University, Tallahassee FL August 3rd, 2019
M.S. in Family and Child Development, Missouri State University, Springfield MO May 15th, 2012
B.S. in Early Childhood Education, Shanghai Normal University, Shanghai China June 4th, 2010

Certificates and Licenses: Measurement and Statistics Certificate
Program Evaluation Certificate
Prepare for Future Faculty Certificate

RESEARCH INTERESTS:

Young children's cognitive development
Early Science Education
Metacognition
Teacher-child interactions and relationship quality
Teacher preparation and professional development

EXPERIENCE:

Teaching, Extension and Research Appointments:

2019-present Assistant Professor, School of Family & Consumer Sciences, University of Idaho, Moscow ID
2016-2019 Graduate Teaching Assistant, Department of Educational Psychology and Learning Systems Florida State University, Tallahassee, FL
2012-2016 Graduate Research Assistant, Florida Center for Reading Research, Tallahassee, FL

TEACHING ACCOMPLISHMENTS:

Areas of Specialization: Educational Psychology, Learning Theories, and Child Development

Courses Taught:

FCS 404 Educational Psychology (3cr)
FCS 234 Infancy and Early Childhood (3cr)
FCS 497 Preschool Internship (3cr)
EDF 4210 Educational Psychology (3cr)

Honors and Awards: Nominee. Undergraduate Teaching Award (2019)

SCHOLARSHIP ACCOMPLISHMENTS:

Publications:

- Chen, S.**, Phillips, B., & Dong, S. (Submitted 2020). Unpacking the language teaching belief-practice alignment among preschool teachers serving children from low-SES backgrounds.
- Chen, S.**, Geesa, R., Izci, B., & Song, H. (Submitted 2020). A mixed methods investigation of preservice teachers' science and mathematics teaching efficacy, challenges, and support.
- Geesa, R., Izci, B., **Chen, S.** & Song, H., (2020) Gender, attitudes, and cognitive skills in fourth and eighth graders' science achievement across three countries. *Asia-Pacific Science Education*, 5(1), 5-17. <https://doi.org/10.1186/s41029-019-0038-7>
- Chen, S.** & Phillips, B. (2020). Which child and teacher characteristics are associated with teacher-child relationship quality in Head Start? Evidence from multilevel modeling. Manuscript in preparation.
- Chen, S.** (2020). The role of metacognitive awareness in early childhood teachers' science teaching attitudes and efficacy. Manuscript in preparation.
- Geesa, R., Izci, B., **Chen, S.** & Song, H., (2020). Building Relationships and Collaborating with Others to be Productive Scholars: What We Have Learned Thus Far. *Purdue University Susan Bulkeley Butler Center for Leadership Excellence*, 3(1), 27-36. <https://www.purdue.edu/butler/working-paper-series/2020/spring.html>
- Chen, S.** (2019). Exploring factors that explain teacher-child relationships in head start: a multilevel approach. (Publication No. 13887354) [Doctoral dissertation, Florida State University]. ProQuest Dissertations Publishing.
- Geesa, R. L., Izci, B., Song, H. S., & **Chen, S.** (2019). Exploring the roles of students' home resources and attitudes towards science in science achievement: a comparison of South Korea, Turkey, and the United States in TIMSS 2015. *Asia-Pacific Science Education*, 5(1), 1-22. <https://doi.org/10.1186/s41029-019-0038-7>
- Turner, J., Roehrig, A., Xing, F., & **Chen, S.** (submitted 2019). Investigating contextual and personal factors related to teachers' motivation and emotions for implementing whole school reform efforts.
- Geesa, R., Izci, B., Song, H., & **Chen, S.** (2019). Exploring the impacts of home environment on children's mathematics and science achievement: A cross-cultural examination using TIMSS data. *EURASIA Journal of Mathematics, Science and Technology Education*. 15(9), 1-18. <https://doi.org/10.29333/ejmste/108487>
- Chen, S.**, Phillips, B. & Izci, B. (2018). Teacher-child conflict in Head Start: Exploring roles of children's behavior, teachers' stress and biases, and classroom environment. *Early Child Development and Care*. 190(8), 1174-1186. <https://doi.org/10.1080/03004430.2018.1524378>
- Chen, S.**, & Phillips, B. (2018). Factors that influence preschool teacher-child relationships at Head Start – A pilot study. *Qualitative Review*, 23(1), 80-97. <https://nsuworks.nova.edu/tqr/vol23/iss1/6>
- Phillips, B., Tabulda, G., Ingrole, S, A., Burris, P, W., Sedgwick, T, K., & **Chen, S.** (2016). Syntax intervention with high-need prekindergarten students: A randomized trial. *Journal of Speech Language and Hearing Research*, 59 (6), 1409-1420. https://doi.org/10.1044/2016_JSLHR-L-15-0155
- Chen, S.**, Phillips, B., & Lonigan, C. (in preparation). *Child social and learning behaviors and school readiness: The mediating role of teacher-child relationship quality.*
- Phillips, B. M., Harvey, K., Mesa, M., **Chen, S.**, & Funari, C. (in Preparation). *Teacher-child conflict, self-regulation, and preschool vocabulary development.*

Presentations

- Chen, S., & Phillips, B. (will present in 2020, Nov). Exploring factors that explain teacher-child relationships

- in head start: a multilevel approach. National Research Conference on Early Childhood.
- Chen, S., Geesa, R., Izci, B., & Song, H. (presented in 2020, Feb). A mixed methods investigation of early childhood and elementary preservice teachers' science and math teaching efficacy and perceived challenges. Eastern Educational Research Association, Orlando, FL.
- Chen, S., & Izci, B. (presented in 2020, Feb). Emergent Metacognition and Teacher-Child Relationships in Early Science Competency Development. Orlando, FL.
- Chen, S, Phillips, B., & Lonigan, C. (presented in 2019, March). Child social and learning behaviors and school readiness: The mediating role of teacher-child relationship quality. Society of Research in Child Development (2019). Baltimore, MD.
- Geesa, R., Izci, B., Chen, S. & Song, H., (presented in 2019, April). Gender, attitudes, and cognitive skills in fourth and eighth graders' science achievement across three countries. American Educational Research Association (2019). Toronto, Canada.
- Chen, S. & Phillips, M. (presented 2018, April). Language Instruction in Preschools Serving Children from Disadvantaged Backgrounds: Teachers' Beliefs, Practices, and Challenges. Presentation at American Educational Research Association. New York, NY.
- Geesa, R., Izci, B., Song, H., & Chen, S. (presented 2018, April). Exploring the impacts of home environment on children's math and science achievement: A cross-cultural examination using TIMSS data. Presentation at American Educational Research Association. New York, NY.
- Chen, S, Phillips, B., & Izci, B. (presented 2017, April). Teacher-child relational conflict in head start – Exploring the roles of child behavior, teacher stress and bias, and classroom environment. Presentation at Society of Research in Child Development. Austin, TX.
- Izci, B., Jones, I. & Chen, S. (Presented 2017, February). How the home environment predicts children's success in STEM - Insights from TIMSS and beyond. Symposia presentation at 40th Annual Meeting of the Eastern Educational Research Association (EERA)-Richmond, VA.
- Chen, S., Phillips, B., & Izci, B. (presented 2016, April). Factors that influence teacher-child relationships at Head Start – Voices from teachers. Presentation at American Educational Research Association. Washington, D.C.
- Lzci, B., & Chen, S. (presented 2016, February). Investigating parents' attitude towards young children's tablet usage. Presentation at the Eastern Educational Research Association. Hilton Head Island, SC.
- Chen, S., Phillips, B., Izci, B. & Franklin, J. (Presented 2015, November). Factors that influence teacher-child relationships at Head Start – Voices from teachers. Presentation at Florida Educational Research Association. Altamonte, FL.
- Burris, P., Jangra, S., & Chen, S. (Presented 2015, July). Children's book title measure validity among parents of low socioeconomic status. Society for the Scientific Study of Reading. The Big Island, HI.
- Chen, S., & Phillips, B. (presented 2015, February). Factors that influence preschool teacher-child relationships at Head Start – A Pilot Study. Presentation at Council on Research in Education conference. Tallahassee, FL.
- Chen, S., & Phillips, B. (presented 2015, February). Factors that influence preschool teacher-child relationships at Head Start – A Pilot Study. Presentation at Eastern Educational Research Association. Sarasota, FL.
- Chen, S., & Phillips, B. (presented 2014, November). Factors that influence preschool teacher-child relationships at Head Start – A Pilot Study. Presentation at Florida Educational Research Association. Cocoa Beach, FL.
- Test, J., & Chen, S. (presented 2014, April). Social cognition in daily life: developmental changes from 12 months to 40 months. Presentation at Council on Research in Education conference. Tallahassee, FL.
- Test, J., Chen, S. (presented 2013, October). Social cognition in daily life: Developmental changes from 12 months to 40 months. Presentation at Cognitive Development Society. Memphis, TN.
- Chen, S. (presented 2012, October). Protective factors that contribute to child resiliency. Presentation at department colloquium. Tallahassee, FL.
- Chen, S. (presented 2012, May). Protective factors that contribute to child resiliency. Presentation at Inter Discipline Forum. Springfield, MO.

Grants and Contracts Awarded:

- Chen, S (PI),** Tsao, L., Ghandi, M., & Cerruti, M. (July 2020). The Impact of Emotive Intelligent Spaces through Real-Time Emotion Detection on Improving Children's Mental Health and Cognitive Performance. Submitted to Mountain West IDEA Clinical and Translational Research –Infrastructure Network. (\$60,000)

Chen, S (PI). (June 2020). Grow to Learn: A Novel Teachers' Professional Development Program that Targets Metacognition to Improve Early Science Teaching and Learning. Funded by American Psychological Association-Division 15 Educational Psychology. (\$6,000)

Chen, S (PI). (March 2018). Exploring Teacher and Child Factors that Influence Preschool Teachers Perceived Relationship with Children Living in Poverty. Funded by Florida State University Dissertation Grant. (\$1,000).

Chen, S (PI). Exploring Teacher and Child Factors that Influence Preschool Teachers Perceived Relationship with Children Living in Poverty. Funded by Florida State University Department of Educational Psychology-Learning and Cognition, Graduate Student Research Fund. (\$380).

Grants and Contrasts Pending:

Chen, S (PI), Tsao, L., & Ewers, T. (Oct. 2020). Rural, lower-income and urban, higher-income families during COVID-19: Towards addressing challenges and reinforcing strengths. Submitted to American Psychological Association-Division 15 Educational Psychology. (\$5, 000)

Grants Proposal Unfunded:

Geesa, R (PI), **Chen, S.**, Izci, B., & Hyuksoon. (June 2020). Mapping the Uncharted: Understanding K-3rd Grade Home-School Education Partnerships During the COVID-19 Pandemic Using a Mixed-Methods Approach. (\$50,000)

Philips, B (PI) & **Chen, S** (Co-PI). (June 2017). Exploring Teacher and Child Factors that Influence Preschool Teachers Perceived Relationship with Children Living in Poverty. Submitted to Office of Planning, Research and Evaluation, Administration of Children and Families. (\$25,000)

Philips, B (PI) & **Chen, S** (Co-PI). (November 2017). Exploring Teacher and Child Factors that Influence Preschool Teachers Perceived Relationship with Children Living in Poverty. Submitted to Fahs-Beck Fund for Research and Experimentation. (\$7,500)

Honors and Awards:

Awardee. Purdue University Susan Bulkeley Butler Center for Leadership Excellence Fellowship (2019).

Awardee. Florida State University Graduate Student Research and Creativity Award (2019) (\$1,000)

Awardee. Society for Research in Child Development Conference Travel Award (2019). (\$300)

Nominee. Undergraduate Teaching Award (2019)

Awardee. American Educational Research Association Conference Travel Scholarship (2018) (\$300)

Awardee. Council on Research in Education travel award (2018). (\$200)

Awardee. Learning and Cognition Graduate Research Award (2017). (\$380)

Finalist. College of Education Three Minutes Thesis (2018)

Finalist. Robert M. Gagné Research Prize (2017)

SERVICE:

Major Committee Assignments:

Chair, University of Idaho Hornor Program Advisory Board Committee (Oct. 2020 – present)

Member, University of Idaho Hornor Program Advisory Board Committee (Aug. 2020 – Oct. 2020)

Member, Faculty promotion committee, School of Family & Consumer Sciences, University of Idaho (2019-present).

Member, Graduate Program Committee, School of Family & Consumer Sciences, University of Idaho (2019-present).

Professional and Scholarly Organizations:

Reviewer, Journal of Science Education and Technology (2020)

Reviewer, Society for Research in Child Development 2021 Biennial Meeting (SRCD) (2020)

Grant review panelist, National Science Foundation. (Oct. 2019)

Reviewer, 41th Annual Meeting of the Eastern Educational Research Association (EERA) (2018)

Reviewer, 62nd Annual Meeting of the Florida Educational Research Association (FERA) (2017)

Volunteer Session Chair at EERA conference (2015)

Volunteer at CORE conference (2014)

Community Service:

Volunteer of Food Drive, Springfield, MO (2012)
Volunteer of Homeless Shelter, Springfield, MO (2011)
Volunteer of Verona High, Verona, MO (2011)

PROFESSIONAL DEVELOPMENT:

Teaching:

2019 Advisory Symposium, University of Idaho
2018 How to Teach Sensitive Topics, American Educational Research Association (AERA)
2017 Engaging Students in Large Classes, Florida State University (FSU)
2017 Emergency Management in the Classroom, FSU
2017 Tips and Techniques for Efficient Grading, FSU
2017 Mindfulness in the Classroom, When and How, FSU
2017 New Professor: Balancing Research, Teaching, and Service, Society of Research in
Child Development (SRCD)
2017 Designing Assignments Using Bloom's Taxonomy, FSU

Scholarship:

2020 Proposal Development Academy, University of Idaho
2019 NSF CAREER all year
2019 Pre-Tenure Faculty Conference, Purdue University
2019 Early STEM Education Summit, Boise State University
2019 NSF career all year: An Introduction, University of Idaho
2019 Finding Funding Opportunities: Intro to Pivot, University of Idaho
2019 Multilevel Data Analysis, SRCD Conference
2019 NIH/IES Grant Opportunities, SRCD Conference
2019 Junior Scholar Workshop, SRCD Conference
2018 R Programming and Data Analysis, FSU
2018 Reliability Issues in Mixed Methods Research, AERA Conference
2018 Navigate Academia, AERA Conference
2018 Analyzing Data with Nvivo, Webinar