

CURRICULUM VITAE

University of Idaho

NAME: Shiyi Chen

DATE: August 24, 2019

RANK OR TITLE: Assistant Professor

DEPARTMENT: School of Family & Consumer Sciences

OFFICE LOCATION AND CAMPUS ZIP: Niccolls 302C, 3183

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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. Florida State University, Tallahassee FL
M.S. Missouri State University, Springfield MO
B.A. Shanghai Normal University, Shanghai China

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

RESEARCH INTERESTS:

Children's metacognitive skills development
Early Science Education
Teacher-child interactions and relationship qualities
Teacher preparation

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: (Academic and Extension teaching)

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

Courses Taught:

EDF 4210 Educational Psychology (3cr)

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

SCHOLARSHIP ACCOMPLISHMENTS:

1 – corresponding (senior) author; 2 – designed study; 3 – obtained funding for study; 4 – oversaw conduct of study; 5 – contributing participant in associated workshop or activity; 6 – major role in manuscript preparation

Publications:

- 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. doi: 10.29333/ejmste/108487 (2,4,5,6)
- Chen, S.**, Phillips, B., & Dong, S. (submitted,2019). Preschool teachers' pedagogical beliefs about language and literacy instructions. *Journal of Early Childhood Teacher Education*. (1,2,4,5,6)
- Geesa, R., Izci, B., **Chen, S.**, & Song, H. (submitted, 2019). Cognitive skills, gender, attitude in 4th and 8th students' science achievement scores. *Journal of Research in Education*. (2,4,5,6)
- Chen, S** & Phillips, B. (In preparation, 2019). *Exploring teacher and child factors that explain preschool teacher-child relationships*. (1,2,3,4,5,6)
- Geesa, R., Izci, B., **Chen, S.**, & Song, H. (in preparation, 2019). How to collaborate with others and navigate careers in higher education: What we have learned thus far. *Purdue Publication*. (4,5,6)
- 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*. 118(12), 1633-1647. doi: 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. Retrieved from <https://nsuworks.nova.edu/tqr/vol23/iss1/6>
- Phillips, B., Tabulda, G., Ingrole, S, A., Burriss, 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. doi:10.1044/2016_JSLHR-L-15-0155
- Chen, S.**, & Phillips (in preparation). *Exploring factors that explain teacher-child relationship qualities in Head Start: A multilevel approach*.
- 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 2020, June). Teacher and child factors that explain teacher-child relationship quality: A multilevel approach. National Research Conference on Early Childhood. Arlington, VA.
- Chen, S., & Izci, C. (will present 2020, February). Emergent metacognition and teacher-child relationship in early science competency development. Eastern Educational Research Association. 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, Shiyi (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).

Grants and Contrasts Pending:

- Chen, S (PI) (January 2020). Emergent Metacognitive Skills and Teacher-Child Relationships in Science Competency Development among Young Children from Low-SES backgrounds. Submitted to Society for Research in Child Development (SRCD). (\$7500)
- Chen, S (PI), Tsao, L., Ghandi, M., & Cerruti, M. (November 2019). 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. Geesa, R (PI), Izci, B., Chen, S., & Hyuksoon. (October 2019). Pre-service teachers' perception related to their STEM teaching self-efficacy. The Academy of Korean Studies. (\$50,000)
- Geesa, R (PI), Izci, B., Chen, S., & Hyuksoon. (September 2019). Using TIMSS Data to Explore Factors Associated with Science Achievement in Fourth and Eighth Grade: A Cross-Cultural Multilevel Analysis. Submitted to American Educational Research Association Research Grant. (\$25,000)

Grants Proposal Unfunded:

- Chen, S. (PI) (December 2020). Home, Class, and Child Level Factors that Contribute to Head Start Children's Development of Approaches to Learning. Submitted to the Statistic Institute at American Educational Research Association (AERA).
- Philips, Beth (PI) & Chen, Shiyi (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, Beth (PI) & Chen, Shiyi (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. Margaret Ritchie School of Family and Consumer Sciences Faculty Professional Development fund (2019) (\$750)
- 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:

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:

Grant review panelist, National Science Foundation. (Oct. 2019)
 Idaho STEM conference (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 Statistic Institution. American Educational Research Association.
 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 Programing and Data Analysis, FSU
 2018 Reliability Issues in Mixed Methods Research, AERA Conference
 2018 Navigate Academia, AERA Conference
 2018 Analyzing Data with Nvivo, Webinar