



### **Shannon Stark Guss**

Shannon Stark Guss is a Research Associate at the University of Denver. Her research focuses on early childhood learning and development, with an emphasis on children birth to age 5 and the adults in their lives. She uses quantitative methods to explore the ways in which environments and interactions between young children, their teachers, and their families support or hinder the learning and development of young children. As a Post Doctoral Research Fellow with Dr. Douglas Clements and Dr. Julie Sarama, she expanded her expertise in the teaching and learning of math for children birth to age 8, supporting development of learning activities, online games, and resources for the free early math website - [learningtrajectories.org](http://learningtrajectories.org). She also contributed to research and development of STEM learning for children with disabilities through the STEMIE project - developing and testing activities and refining hypothesized developmental progressions.

Prior to coming to the University of Denver, she was part of the local evaluation team for a national study of early childhood centers, which led to leadership roles and publication of peer-reviewed journal articles. Her Ph.D. is in Educational Psychology, with a specialization in Research, Evaluation, Measurement, and Statistics and a cognate focus in Human Development and Family Sciences.