

CONTACT  
INFORMATION

305 Wallace Hall  
295 West Campus Drive  
Human Development and Family Science  
Virginia Tech  
Blacksburg, Virginia 24061 USA

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RESEARCH  
INTERESTS

My research program focuses on the role of technology in young children's cognitive development to better understand and support learning in early childhood. Technological innovations influence our everyday lives, including young children and their families. My research examines how technology impacts children's attention and learning, and the extent to which its impact is influenced by family processes and social contexts. I employ multiple methods such as experiments, individual difference measures, eye-tracking, and computational approaches to guide developmentally appropriate practices for technology integration. My research has covered a diverse set of topics on children and emerging technologies, including attention and learning from mobile media such as touchscreens, perception of and learning from robots, and child screen time and parenting. My research aims to inform parents, educators, producers, designers, health professionals, and policy makers on how to design and use technological tools to support young children's learning.

## EDUCATION

**University of Wisconsin-Madison**, Wisconsin, USA

Ph.D., Human Development and Family Studies (Minor: Educational Psychology), May 2016

- Dissertation: Toddlers' learning from touch screens: The role of working memory
- Advisor: Dr. Heather Kirkorian
- Minor Advisor: Dr. Haley Vlach

**Seoul National University**, Seoul, South Korea

M.A., Child Development and Family Studies, August 2011

- Thesis: Two-, three-, and four-year-olds' use of accuracy cues in word learning
- Advisor: Dr. Soon Hyung Yi

**Seoul National University**, Seoul, South Korea

B.A., Family and Child Studies / Psychology, March 2008

- Cum Laude

PROFESSIONAL  
POSITIONS

Department of Human Development and Family Science

**Virginia Polytechnic Institute and State University**, Blacksburg, Virginia, USA

Assistant Professor in Human Development and Family Science

**08/2018 - Present**

Department of Psychology

**Rutgers University-Newark**, New Jersey, USA

Postdoctoral Fellow (PI: Dr. Elizabeth Bonawitz)

**09/2017- 07/2018**

Department of Psychology

**University of California, Riverside**, California, USA

Postdoctoral Scholar (PI: Dr. Rebekah Richert)

**07/2016 - 06/2017**

AFFILIATED POSITIONS	The Center for Humanities Affiliated Faculty Member	2019 - 2022
WORK EXPERIENCE	Department of Human Development and Family Studies <b>University of Wisconsin-Madison</b> , Wisconsin, USA Graduate Project Assistant (PI: Dr. Heather Kirkorian)	08/2012 - 05/2016
	Lead Teacher Hynix Child Care Center, Icheon, South Korea	02/2008 - 01/2009
AWARDS AND HONORS	2023 Dennis Dean Undergraduate Research and Creative Scholarship Conference Service Learning and Research Award (Student Poster) 2022 ICAT Creativity + Innovation Day Judges' Choice Award at Virginia Tech (Robot Musical Theater STEAM Team) Outstanding Undergraduate Research Mentor Award from the Office of Undergraduate Research at Virginia Tech Top Paper Award from the Children, Adolescents, and Media Division of International Communication Association (Kirkorian, Choi, Yoo, & Etta) Top Paper Award from the Children, Adolescents, and Media Division of International Communication Association (Kirkorian, Choi, & Anderson) Society for Research in Child Development Early Career Travel Award (\$500) Human Development & Family Studies Outstanding Research Award (\$400) Sackler Colloquia National Academy of Sciences Travel Award (\$1,000) Schurch-Thomson Graduate Research Award (\$2,000) Human Development & Family Studies Summer Research Award (\$1,500/yr) Human Development & Family Studies Travel Award (\$500/yr) Meyers Fund of the School of Human Ecology Travel Award (\$500/yr) McPherson ERI David G. Walsh Research Travel Award (\$1,000) Viola Baker Endowment School of Human Ecology Travel Award (\$500) Human Development & Family Studies Outstanding Research Scholarship Award Society for Research in Child Development Travel Award (\$300) Korean Honor Scholarship sponsored by the Embassy of the Republic of Korea (\$1,000) Graduate Student Academic Award, Korea Institute of Child Care & Education (\$500) Seoul National University Entrance Scholarship, Seoul National University	2023 2022 2021 2018 2017 2017 2016 2015 2015 2014-2015 2013-2016 2014-2016 2013 2013 2013 2013 2012 2010 2003
MANUSCRIPTS SUBMITTED	18. Wong, M., <b>*Choi, K. (co-first)</b> , Barak, L., Lapidow, E., Austin, J., Shafto, P., & Bonawitz, E. (under review). Young children's directed question asking in preschool classrooms. 17. Yu, S., <b>*Choi, K. (co-first)</b> , Kim, J., Dong, J., Lee, Y., Haines, C., Newbill, P, Wyatt, A., Upthegrove, T. & Jeon, M. (under review). Young children's interest, self-efficacy, and curiosity in robots throughout a child-robot musical theater program.	
PEER REVIEWED JOURNAL ARTICLES	8 corresponding author (6 first author, 2 senior author), 8 co-author <u>Student co-authors</u> ; *Corresponding author	
2023	16. <b>*Choi, K.</b> (2024). Understanding early learning in an evolving digital media landscape. <i>Journal of Applied Research in Memory and Cognition</i> , 12(4), 476-479. <a href="https://doi.org/10.1037/mac0000146">https://doi.org/10.1037/mac0000146</a>	

15. Dong, J., **Choi, K.**, Yu, S., Lee, Y., Kim, J., Vajir, D., Hains, C., Newbill, P., Wyatt, A., Upthegrove, T. & Jeon, M. (2023). A child-robot musical theater afterschool program for promoting STEAM education: A case study and guidelines. *International Journal of Human-Computer Interaction*, 1-17. <https://doi.org/10.1080/10447318.2023.2189814>

2022

14. **\*Choi, K.**, Schlesinger, M. A., Franchak, J. M., & Richert, R. A. (2022). Preschoolers' attention to and learning from on-screen characters that vary by effort and efficiency: An eye-tracking study. *Frontiers in Psychology*, 13, 1011172. <https://doi.org/10.3389/fpsyg.2022.1011172>
13. Kirkorian, H. L., **Choi, K.**, Etta, R. A., & Yoo, S. H. (2022). The impact of touchscreen interactivity on U.S. toddlers' selective attention and learning from digital media. *Journal of Children and Media*, 16(2), 188-204. <https://doi.org/10.1080/17482798.2021.1944888>

2021

12. **\*Choi, K.** (2021). Sesame Street: Beyond 50. *Journal of Children and Media*, 15(4), 597-603. <https://doi.org/10.1080/17482798.2021.1978675>
11. Macias, C., & **\*Choi, K.** (2021). Preschoolers' beliefs about media technologies: The role of family income. *Human Behavior and Emerging Technologies*, 1-13. <https://doi.org/10.1002/hbe2.278>
10. Rosengren, K., Kirkorian, H. L., **Choi, K.**, Jiang, M. J., Raimor, C., Tolkin, E., & Sartin-Tarm, A. (2021). Attempting to break the fourth wall: Young children's action errors with screen media. *Human Behavior and Emerging Technologies*, 1-16. <https://doi.org/10.1002/hbe2.273>
9. Shin, E., **\*Choi, K.**, Resor, J., & Smith, C. L. (2021). Why do parents use screen media with toddlers? The role of child temperament and parenting stress in early screen use. *Infant Behavior and Development*, 64, 101595. <https://doi.org/10.1016/j.infbeh.2021.101595>
8. **\*Choi, K.**, Kirkorian, H. L., & Pempek, T. A. (2021). Touchscreens for whom? Working memory and age moderate the impact of contingency on toddlers' transfer from video. *Frontiers in Psychology*, 12, 621372. <https://doi.org/10.3389/fpsyg.2021.621372>

2020

7. Kirkorian, H. L., Travers, B., Jiang, M., **Choi, K.**, Rosengren K. S., Pavalko P., & Tolkin, E. (2020). Drawing across media: A cross-sectional experiment on preschoolers' drawings produced using traditional versus electronic mediums. *Developmental Psychology*, 56(1), 28-39. <https://doi.org/10.1037/dev0000825>

2019

6. Kirkorian, H. L., **Choi, K.**, & Anderson, D. R. (2019). American parents' active engagement mediates the impact of background television on toddlers' play. *Journal of Children and Media*, 13(4), 377-394. <https://doi.org/10.1080/17482798.2019.1635033>

2018

5. **\*Choi, K.**, Kirkorian, H. L., & Pempek, T. A. (2018). Understanding the transfer deficit: Contextual mismatch, proactive interference, and working memory affect toddlers' video-based transfer. *Child Development*, 89(4), 1378-1393. <https://doi.org/10.1111/cdev.12810>
4. Travers, B. G., Kirkorian, H. L., Jiang, M. J., **Choi, K.**, Rosengren, K. S., Pavalko, P., & Jobin, P. (2018). Knowing how to fold 'em: Paper folding across early childhood. *Journal of Motor Learning and Development*, 6(1), 147-166. <https://doi.org/10.1123/jmld.2016-0044>

2017

3. Kirkorian, H. L., & **Choi, K.** (2017). Associations between toddlers' naturalistic media experience and observed learning from screens. *Infancy*, 22(2), 271-277. <https://doi.org/10.1111/inf.12171>

- 2016
2. **\*Choi, K.**, & Kirkorian, H. L. (2016). Touch or watch to learn? Toddlers' object retrieval using contingent and noncontingent video. *Psychological Science*, 27(5), 726-736.  
<https://doi.org/10.1177/0956797616636110>
  1. Kirkorian, H. L., **Choi, K.**, & Pempek, T. A. (2016). Toddlers' word learning from contingent and noncontingent video on touch screens. *Child Development*, 87(2), 405-413.  
<https://doi.org/10.1111/cdev.12508>

MANUSCRIPTS IN  
PREPARATION

- . **Choi, K.**, & Hong, Y. (in prep). The serial mediating effects of problematic smart device use by mothers and toddlers on the association between parenting stress and toddlers' socioemotional development.
- . Kim, J., & **\*Choi, K.** (in prep). The impact of questions on preschoolers' learning from shared book reading over video chat.
- . **\*Choi, K.**, Kim, J., Yu, S., Shin, E., & Smith, C. L. (in prep). Maternal media beliefs moderate the relation between parenting stress and toddlers' screen use.
- . Beers, C., Yu, S., Ozcan, S., Smith, C., & **\*Choi, K.** (in prep). Feeling guilty around child's screen use: The associations among parental awareness, agreeableness, and adherence related to media guidelines, child screen use, and maternal media guilt.
- . **\*Choi, K.**, Grados, M., & Bonawitz, E. (in prep). Child-led play supports parents to make flexible and exploratory causal inferences.
- . **\*Choi, K.** & Richert, R. (in prep). Preschoolers' visual attention to and learning from fantastical and realistic characters.

BOOK CHAPTERS  
SUBMITTED

4. Richert, R. A. **Choi, K.**, Gleason, T., Goldstein, T. R., & Sibert, S. M. (under review). Screen media and children's imagination, creativity, and play. In C. Dimitri, & L. Hale, (Eds.), *Children and Screens handbook*. Springer.
3. **Choi, K.**, & Jeon, M. (under review). Child-robot musical theater for diverse and inclusive STREAMS education for children. In D. Huffman, K. Feldman, & I. Herrick (Eds.), *STEM to STREAMS: Towards a more equitable vision of STEM education*. Rowman & Littlefield.

BOOK CHAPTERS      2 co-author

2. Kirkorian, H. L., Pempek, T. A., & **Choi, K.** (2017). The role of online processing in young children's ability to learn from interactive and noninteractive media. In R. Barr & D. Linebarger (Eds.), *Media exposure during infancy and early childhood: The effect of content and context on learning and development* (pp. 65-89). Springer. [https://doi.org/10.1007/978-3-319-45102-2\\_5](https://doi.org/10.1007/978-3-319-45102-2_5)
1. Yi, S., Kim, M., Gun, K., Jung, J., Song, M., & **Choi, K.** (2011). *Early childhood education program of intergenerational integration: Integrating early childhood program series*. Seoul: Hakjisa.

PEER-REVIEWED  
PAPERS IN  
CONFERENCE  
PROCEEDINGS

- 2 first author and 4 co-author  
Student co-authors; \*Corresponding author

- 2024
6. Dong, J., Mitchell, J. J., Yu, S., Harmon, M., Holstein, A., Shim, J. H., **Choi, K.**, Zhu, Q., & Jeon, M. (2024). Promoting STEAM education and AI/robot ethics in a child-robot theater afterschool program. *Proceedings of the ACM/IEEE International Conference on Human-Robot Interaction (HRI2024)*, Boulder, CO, March 11-15. IEEE.
  5. Mitchell, J. J., Dong, J., Yu, S., Harmon, M., Holstein, A., Shim, J. H., **Choi, K.**, Zhu, Q., & Jeon, M. (2024). Bridging the gap: Early education on robot and AI ethics through the robot theater platform in an informal learning environment. *Proceedings of the ACM/IEEE International Conference on Human-Robot Interaction (HRI2024)*, Boulder, CO, March 11-15. IEEE.
- 2023
4. Vargas-Diaz, D., Karunaratna, S., Kim, J., Lee, S., & **Choi, K.** (2023). TaleMate: Collaborating with voice agents for parent-child joint reading experiences. *Adjunct Proceedings of the 36th Annual ACM Symposium on User Interface Software and Technology*. Online. <https://doi.org/10.1145/3586182.3616699>
- 2022
3. Lee, Y., Wyatt, A., Dong, J., Upthegrove, T., Hale, B., Lyles, C. H., **Choi, K.**, Kim, J., Yu, S., Vajir, D., Newbill, P., & Jeon, M. (2022). Robot musical theater for climate change education. *Proceedings of the 2022 ACM/IEEE International Conference on Human-Robot Interaction*. Online. <https://dl.acm.org/doi/pdf/10.5555/3523760.3523895>
- 2019
2. **\*Choi, K.**, Grados, M., & Bonawitz, E. (2019). Observing child-led exploration improves parents' causal inferences. *Proceedings of the 41th Annual Conference of the Cognitive Science Society*. Montreal, Canada: Cognitive Science Society. <https://mindmodeling.org/cogsci2019/papers/0272/index.html>
- 2018
1. **\*Choi, K.**, Lapidow, E., Austin, J., Shafto, P., & Bonawitz, E. (2018). Preschoolers are more likely to direct learning content questions to adults than to other children (or selves) during spontaneous conversational acts. *Proceedings of the 40th Annual Conference of the Cognitive Science Society*. Madison, WI: Cognitive Science Society. <http://mindmodeling.org/cogsci2018/papers/0061/index.html>

#### RESEARCH SUPPORT Internal Funding

- Institute for Creativity, Arts, and Technology (ICAT) SEAD Grant - \$25,000 Virginia Tech  
PI: Koeun Choi **Pending**  
Co-PIs: Suyi Li, Koeun Choi, Tanner Upthegrove  
Proposal: Intelligent origami tutoring: Enhancing spatial reasoning and STEM learning through multimodal AI assistance  
Role: Co-Principal Investigator
- Institute for Society, Culture, and Environment (ISCE) Scholars Program Award - \$30,000 Virginia Tech  
PI: Koeun Choi **May 15, 2023 - June 30, 2024**  
Co-PIs: Sang Won Lee, Jinjing Jenny Wang  
Proposal: Integrating AI voice assistants into touchscreens for young children's interactive math learning  
Role: Principal Investigator
- Faculty Affairs Faculty Writing Group Grant - \$2,000 Virginia Tech  
PI: Koeun Choi **May 15, 2023 - June 30, 2024**  
Co-PIs: Yan Chen, Michael Hsiao, Abby Walker, Myounghoon Jeon  
Proposal: Collaborative research on conversational artificial intelligence (AI)  
Role: Principal Investigator
- Institute for Creativity, Arts, and Technology (ICAT) Steve and Karen Johns/CENI SEAD Grant - \$3,000 Virginia Tech

- PI: Koeun Choi **Feb 15, 2023 - February 15, 2024**  
 Co-PIs: Myounghoon Jeon, Caroline Hornburg, Shannon Mury, Jisun Kim, Daniel Vargas-Diaz, Yeaji Lee  
 Proposal: Storybook reading with an AI voice assistant to promote preschoolers' mathematics learning  
 Role: Principal Investigator
- Institute for Society, Culture, and Environment (ISCE) Support for Summer Institute Course - \$1,200 **June 5, 2023 - June 30, 2023**  
 PI: Koeun Choi  
 Course: Data Collection: Using wearables, sensors and apps in the social, behavioral and health sciences  
 Virginia Tech
  - Institute for Creativity, Arts, and Technology (ICAT) and Institute for Society, Culture, and Environment (ISCE) Grant - \$22,000 **Feb 1, 2023 - June 15, 2023**  
 PI: Abby Walker  
 Co-PIs: Myounghoon Jeon, Sang Won Lee, Koeun Choi, Charlie Klauer  
 Proposal: The voice of voice assistants  
 Role: Co-Principal Investigator  
 Virginia Tech
  - College of Liberal Arts and Human Sciences Niles Research Grant - \$5,500 **July 1, 2022 - June 30, 2023**  
 PI: Koeun Choi  
 Proposal: Children's story time in a digital world: Preschoolers' math learning from shared digital book reading with a voice assistant  
 Role: Principal Investigator  
 Virginia Tech
  - Institute for Creativity, Arts, and Technology (ICAT) Mini Grant - \$2,912 **July 1, 2022 - May 31, 2023**  
 PI: Neelma Bhatti  
 Co-PIs: Koeun Choi, Scott McCrickard, Aisling Kelliher  
 Proposal: Evaluating commercial screen-based devices for children's connection and engagement with remote contacts  
 Role: Co-Principal Investigator  
 Virginia Tech
  - Institute for Creativity, Arts, and Technology (ICAT) SEAD Grant; Center for Human-Computer Interaction (CHCI) matching funds - \$26,000 **July 1, 2021 - May 31, 2022**  
 PI: Myounghoon Jeon  
 Co-PIs: Koeun Choi, Phyllis Newbill, Tanner Upthegrove, Ariana Wyatt, Chelsea Lyles  
 Proposal: Robot musical theater for promoting STEAM education and integrated art performances  
 Role: Co-Principal Investigator  
 Virginia Tech
  - The Center For Humanities Professional Development Grant - \$2,000 **September 19, 2019 - May 31, 2022**  
 PI: Koeun Choi  
 Role: Principal Investigator  
 Virginia Tech
  - Institute for Society, Culture, and Environment (ISCE) Unsolicited Grant - \$4,360 **August 12, 2019 - December 31, 2019**  
 PI: Koeun Choi  
 Co-PI: Cynthia L. Smith  
 Proposal: Child temperament and early screen time: The mediating role of parental stress  
 Role: Principal Investigator  
 Virginia Tech
  - College of Liberal Arts and Human Sciences Niles Research Grant - \$5,000 **July 1, 2019 - June 1, 2020**  
 PI: Koeun Choi  
 Virginia Tech

Proposal: Children's and adults' selective learning from human, print, and digital information sources

Role: Principal Investigator

- Institute for Creativity, Arts, and Technology (ICAT) Science, Engineering, Art, and Design (SEAD) Grant - \$25,000  
PI: Koeun Choi  
Co-PIs: Benjamin D. Katz, Adrienne Holz Ivory, Gota Morota  
Proposal: Mobile learning across the life span: Processing and learning information from mobile media technology in children, young adults, and older adults  
Role: Principal Investigator  
Virginia Tech  
**July 1, 2019 - May 31, 2021**
- New Faculty Mentoring Project Grant - \$1,500  
PI: Koeun Choi  
Proposal: Active mentoring to advance research in children and technology  
Role: Principal Investigator  
Virginia Tech  
**June 1, 2019 - May 31, 2021**

Trainee Fellowship - Advisees on awards supporting lab projects

- Postdoctoral Fellowship - \$170,000  
PI: Carla Macias  
Faculty Sponsors: Kimele Pausade, Koeun Choi  
Proposal: STEMEdIPRF: Looking Beyond Screen Time: Exploring the Relationship Between Diverse Media Experience, Educational Expectations, and Learning in Children (2024-2026)  
Role: Faculty Co-Sponsor  
National Research Foundation of Korea  
**Pending**
- Science Fellowship - \$22,800  
Supporting Meryem Şeyda Özcan  
The Scientific and Technological Research Council of Turkey  
**January 15, 2024 - January 15, 2025**
- Graduate Research Award - \$1,343  
Supporting Shuqi Yu  
Organization for Autism Research  
**July 1, 2023 - December 31, 2024**
- Graduate Research and Development Program Dissertation Award - \$850  
Supporting Jisun Kim  
Virginia Tech  
**March 20, 2023 - February 20, 2024**

INVITED

PRESENTATIONS

8 domestic and 7 international

15. **Choi, K.** (2023, December 16). *Digital technology and child development*. Korean Association of Psychotherapy For Children, South Korea. Virtual.
14. **Choi, K.** (2022, May 20). *Cognitive development in the context of digital technology*. Global Psychological Science Webinar at Yonsei University, South Korea. Virtual.
13. **Choi, K.** (2021, November 26). *Young children's digital media use and safety*. The Meeting of the Korean Association of Human Ecology, South Korea. Virtual.
12. **Choi, K.** (2021, November 13). *Digital media and child development*. The Meeting of the Korean Society for Developmental Psychology, South Korea. Virtual.
11. **Choi, K.** (2021, May 14). *Cognitive development and digital technology*. Department of Bio and Brain Engineering, Korea Advanced Institute of Science and Technology (KAIST), South Korea. Virtual.
10. **Choi, K.** (2019, August 5). *Children and technology: Understanding cognitive development in digital contexts*. Department of Child Development and Family Studies, Seoul National University, Seoul, South Korea.
9. **Choi, K.** (2018, December 6). *Children's transfer of learning from interactive media technology*. Center for Humanities, Virginia Tech, VA.
8. **Choi, K.** (2018, October 26). *Children's transfer of learning from interactive media technology*.

Department of Psychology, Hollins University, VA.

7. **Choi, K.** (2018, October 15). *Children's transfer of learning from interactive media technology*. National Institute of Education, Singapore.
6. **Choi, K.** (2018, June 1). *Parent-child conjunctive play helps parents to think more flexibly*. Guiding Guided Play Workshop, Newark, NJ.
5. **Choi, K.** (2018, January 8). *Understanding cognitive development in digital media environments*. Department of Human Development & Family Science, Virginia Tech.
4. **Choi, K.** (2017, October). *Interactions with touch screens improve toddlers' transfer independent of individual differences in working memory*. Cognitive Development Society Pre-Conference Workshop on Digital Media & Cognitive Development, Portland, OR.
3. **Choi, K.** (2016, March). *Touch or watch to learn? Children's learning from interactive & non-interactive symbolic media*. Developmental Brown Bag, Department of Psychology, UW-Madison, WI.
2. **Choi, K.** (2015, December). *Touch or watch to learn? Children's learning from interactive media*, Children's Digital Media Center. Georgetown University, WA.
1. **Choi, K.** (2014, December). *Eye movements as a window into children's learning from visual media*, McPherson Eye Research Institution Seminar. UW-Madison, WI.

PEER-REVIEWED  
PRESENTATIONS

Student co-authors

- |      |  |
|------|--|
| 2024 | <ol style="list-style-type: none"> <li>57. Gurdal, M., &amp; <b>Choi, K.</b>, Shin, E., &amp; Smith, C. (2024, March 21-23). <i>Understanding parental factors associated with toddlers' video viewing: A chained mediation model investing the roles of parental emotion regulation, media use, stress, and media use motive</i> [Poster accepted]. Cognitive Development Society Meeting, Pasadena, CA. United States.</li> <li>56. Yu, S., Beers, C., &amp; <b>Choi, K.</b> (2024, March 21-23). <i>Feeling guilty around child's screen use: The associations among parental awareness, agreeableness, and adherence related to media guidelines, child screen use, and maternal media guilt</i> [Poster accepted]. Cognitive Development Society Meeting, Pasadena, CA. United States.</li> <li>55. Kim, J., Vargas-Diaz, D., Mury, S., Hornburg, C., &amp; <b>Choi, K.</b> (2024, March 21-23). <i>Preschoolers' mathematical language learning during book reading with an AI smart speaker</i> [Poster accepted]. Cognitive Development Society Meeting, Pasadena, CA. United States.</li> </ol>   |
| 2023 | <ol style="list-style-type: none"> <li>54. Kim, J., Vargas-Diaz, D., Karunaratna, S., Mury, S., Lee, S., Hornburg, C. B., &amp; <b>Choi, K.</b> (2023, October 19-20). <i>AI conversational agents for preschoolers' mathematical language learning and engagement</i> [Poster presentation]. Emerging Perspectives in Early STEM Learning, Development, and Education Workshop, West Lafayette, IN. United States.</li> <li>53. <b>Choi, K.</b>, Yu, S., Kim, J., Dong, J., Lee, Y., Haines, C., Newbill, P., Upthegrove, T., Wyatt, A., &amp; Jeon, M. (2023, April 13-16). <i>Interactive stories through robot musical theater for preschoolers' STEAM education</i> [Paper presentation (4/15)]. The annual meeting of the American Educational Research Association, Chicago, IL. United States.</li> <li>53. Kim, J., &amp; <b>Choi, K.</b> (2023, March 23-25). <i>The impact of questions on preschoolers' learning from shared book reading over video chat</i> [Paper presentation (3/23)]. The biennial meeting of the Society for Research in Child Development, Salt Lake City, UT. United States.</li> <li>52. Yu, S., <b>Choi, K.</b>, Kim, J., Dong, J., Lee, Y., Haines, C., Newbill, P., Upthegrove, T., Wyatt, A., &amp; Jeon, M. (2023, March 23-25). <i>Robot musical theater for preschoolers' STEAM education: Effects on interest, self-efficacy, and curiosity in technology</i> [Paper presentation (3/23)]. The biennial meeting of the Society for Research in Child Development, Salt Lake City, UT. United States.</li> <li>51. Gurdal, M., <b>Choi, K.</b>, Shin, E., Kim, J., Yu, S., &amp; Smith, C. (2023, March 23-25). <i>Associations of maternal emotion regulation and mothers' and toddlers' screen use</i> [Paper presentation (3/24)]. The biennial meeting of the Society for Research in Child Development, Salt Lake City, UT. United States.</li> </ol> |



- 2022
49. Yu, S., Dong, J., Kim, J., Lee, Y., Vajir, D., Lyles, C. H., Newbill, P., Upthegrove, T., Wyatt, A., Jeon, M., & **Choi, K.** (2022, April 21-23). *Sing, act, and dance with robots: A child-robot musical theater afterschool program for STEAM education* [Poster Presentation (4/23)]. The 2022 Biennial Meeting of the Cognitive Development Society. Madison, WI.
  48. Kim, J., & **Choi, K.** (2022, April 21-23). *Q&A on Zoom for preschoolers: The impact of on-screen partner's questions on preschoolers' word learning and memory of content from shared book reading over video chat* [Poster Presentation (4/23)]. The 2022 Biennial Meeting of the Cognitive Development Society. Madison, WI.
  47. **Choi, K.**, Yu, S., Dong, J., Kim, J., Lee, Y., Vajir, D., Lyles, C. H., Newbill, P., Upthegrove, T., Wyatt, A., & Jeon, M. (2022, April 21). (2022, April 21-23). *Child-robot musical theater for STEAM education* [Paper Presentation (4/21)]. Pre-Conference Workshop on Digital Media Cognitive Development of the 2022 Biennial Meeting of the Cognitive Development Society. Madison, WI.
- 2021
46. **Choi, K.**, Grados, M., & Bonawitz, E. (2021, April 7-9). *Child-led play supports adults' exploratory causal inferences* [Paper Presentation (4/9)]. The 2021 Biennial Meeting of the Society for Research in Child Development. Virtual.
  45. Macias, C., & **Choi, K.** (2021, April 7-9). *Preschoolers' beliefs about different symbolic media: The role of socioeconomic backgrounds* [Paper Presentation (4/8)]. The 2021 Biennial Meeting of the Society for Research in Child Development. Virtual.
  44. **Choi, K.**, Kim, J., Shin, E., & Smith, C. L. (2021, April 7-9). *Maternal media beliefs moderate the relation between parenting stress and toddlers' screen use* [Poster Presentation (4/7)]. The 2021 Biennial Meeting of the Society for Research in Child Development. Virtual.
  43. Zettersten, M., **Choi, K.**, Kirkorian, H., & Saffran, J. (2021, April 7-9). *Children actively sample information in support of learning new words* [Paper Presentation (4/7)]. The 2021 Biennial Meeting of the Society for Research in Child Development. Virtual.
- 2020
42. Shin, E., **Choi, K.**, & Smith, C. L. (2020, November 1-2). *Why do parents use screen media with toddlers? The role of child temperament and parenting stress in early screen time* [Paper Presentation (11/2)]. The 23rd Occasional Temperament Conference, Blacksburg, VA. Virtual.
  41. **Choi, K.**, Grados, M., & Bonawitz, E. (2020, May 28-29). *Child-led play supports adults' exploratory causal inferences* [Paper Presentation Accepted, Conference Canceled due to COVID-19]. The Special Topics Meeting of the Society for Research in Child Development: Learning through Play and Imagination, St. Louis, MO.
- 2019
40. **Choi, K.**, Grados, M., & Bonawitz, E. (2019, October 17-19). *Learning from children: Adults' exploratory causal inferences benefit from observing child-led explorations* [Poster Presentation (10/19)]. The Biennial Meeting of the Cognitive Development Society, Louisville, KY.
  39. Zettersten, M., **Choi, K.**, Kirkorian, H. L., & Saffran, J. (2019, October 17-19). *How does active sampling support learning new words?* [Poster Presentation (10/18)]. The Biennial Meeting of the Cognitive Development Society, Louisville, KY.
  38. Macias, C., Shaban, F., Bonawitz, E., & **Choi, K.** (2019, October 17-19). *The effect of socioeconomic status on young children's perceptions about media devices* [Poster Presentation (10/17)]. The Preconference Workshop on Digital Media and Cognitive Development at the Biennial Meeting of the Cognitive Development Society, Louisville, KY.
  37. **Choi, K.**, Grados, M., & Bonawitz, E. (2019, July 24-27). *Observing child-led exploration improves parents' causal inferences* [Poster Presentation (7/27)]. Poster presented at the 41th Annual Cognitive Science Society Meeting, Montreal, Canada.
  36. Rett, A., Bonawitz, E., **Choi, K.**, & Walker, C. (2019, July 24-27). *I never even considered that! Investing explanations for adults failures to learn conjunctive causal rules* [Poster Presentation (7/27)]. The 41th Annual Cognitive Science Society Meeting, Montreal, Canada.
  35. Rett, A., Bonawitz, E., **Choi, K.**, & Walker, C. (2019, July 10-13). *When evidence alone is not enough: Facilitating the generation of unusual causal hypotheses* [Poster Presentation (7/13)]. The

45th Annual Meeting of the Society for Philosophy and Psychology, San Diego, CA.

34. **Choi, K.**, Lapidow, E., Austin, J., Shafto, P., & Bonawitz, E. (2019, March 21-23). *Preschoolers are more likely to direct learning content questions to adults than to other children (or selves) during spontaneous conversational acts* [Paper Presentation (3/23)]. The Biennial Meeting of the Society for Research in Child Development, Baltimore, MD.
33. **Choi, K.**, & Bonawitz, E. (2019, March 21-23). *Child-led play supports parents to make flexible and exploratory causal inferences* [Paper Presentation (3/23)]. The Biennial Meeting of the Society for Research in Child Development, Baltimore, MD.
32. Baugh, C., Richert, R., Schlesinger, M., & **Choi, K.** (2019, March 21-23). *The role of perceived similarity in children's social learning* [Poster Presentation (3/22)]. The Biennial Meeting of the Society for Research in Child Development, Baltimore, MD.

2018

31. **Choi, K.**, Lapidow, E., Austin, J., Shafto, P., & Bonawitz, E. (2018, July 25-28). *Preschoolers are more likely to direct learning content questions to adults than to other children (or selves) during spontaneous conversational acts* [Paper Presentation (7/27)]. The 40th Annual Cognitive Science Society Meeting, Madison, WI.
30. **Choi, K.**, & Bonawitz, E. (2018, July 25-28). *Adults can exploit children's exploration for their own learning: Child-led play supports adult causal conjunctive inferences* [Poster Presentation (7/25)]. The Pre-Conference Workshop on Understanding Exploration-Exploration Trade Offs at The 40th Annual Cognitive Science Society Meeting, Madison, WI.

2017

29. Kirkorian, H., **Choi, K.**, Yoo, S. & Etta, R. A. (2017, October 12-14). *Selective attention and learning from interactive and noninteractive video: An eye movement study* [Paper Presentation (10/14)]. The Biennial Meeting of the Cognitive Development Society, Portland, OR.
28. **Choi, K.**, Schlesinger, M. A., Grant, C., Puttre, H. J., Franchak, J. M., & Richert, R. A. (2017, October 12-14). *Preschoolers use others' effort as a cue to attention and selective imitation* [Poster Presentation (10/13)]. The Biennial meeting of the Cognitive Development Society, Portland, OR.
27. Jiang, M., **Choi, K.**, Raimor, C., Kirkorian, H. L., Tolkin, E., Sartin-Tarm, A., & Rosengren, K. S. (2017, October 12-14). *Children's action errors: A diary study in their natural environment* [Poster Presentation (10/13)]. The Biennial Meeting of the Cognitive Development Society, Portland, OR.
26. Lapidow, E., Bonawitz, E., Shafto, P., Austin, J., **Choi, K.**, Tariq, S., & Bell, C. (2017, October 12-14). *Preschoolers are more likely to direct questions to adults than to other children (or selves) during spontaneous conversational acts* [Poster Presentation (10/12)]. The Cognitive Development Society Pre-Conference Workshop on Question Asking on Childhood, Portland, OR.
25. Kirkorian, H. L., **Choi, K.**, & Anderson, D. R. (2017, May 25-29). *Parents' active engagement mediates the impact of background TV on toddlers' play* [Paper Presentation (5/29)]. The 67th Annual Meeting of the International Communication Association, San Diego, CA.
24. Etta, R. A., Kirkorian, H. L., & **Choi, K.** (2017, May 25-29). *Preschoolers' learning from children's books: Effects of platform and interactivity* [Paper Presentation (5/29)]. The 67th Annual Meeting of the International Communication Association, San Diego, CA.
23. **Choi, K.**, Schlesinger, M. A., Franchak, J. M., & Richert, R. A. (2017, May 25-29). *Character perceptions guide children's looking to and learning from on-screen characters* [Paper Presentation (5/28)]. The 67th Annual Meeting of the International Communication Association, San Diego, CA.
22. Jiang, M., **Choi, K.**, Kirkorian, H. L., Travers, B. G., Rosengren, K. S., Millerhagen, J., Lee, C., & Haugstad, N. (2017, April 6-8). *Drawing across mediums: The impact of technology on the quality and production of drawings* [Poster Presentation (6/8)]. The Biennial Meeting of the Society for Research in Child Development, Austin, TX.
21. **Choi, K.**, Kirkorian, H. L., & Etta, R. A. (2017, April 6-8). *The effect of contextual variability on the generalization of category labels between symbolic mediums* [Poster Presentation (6/7)]. The Biennial Meeting of the Society for Research in Child Development, Austin, TX.
20. Etta, R. A., Kirkorian, H. L., & **Choi, K.** (2017, April 6-8). *Preschoolers' learning from children's books: Effects of platform and interactivity* [Poster Presentation (6/7)]. The Biennial Meeting of the Society for Research in Child Development, Austin, TX.

- 2016
19. **Choi, K.**, Kirkorian, H. L., Pempek, T. A., & Etta, R. A. (2016, October). *On-screen or off-screen? The role of retrieval contexts and working memory in toddlers' object retrieval using touch screens*. Flask talk presented at the special topics meeting of the Society for Research in Child Development, Irvine, CA.
  18. **Choi, K.**, Kirkorian, H. L., Pempek, T. A., & Etta, R. A. (2016, May). *Toddlers' object retrieval using touchscreens: The role of working memory skills*. Talk presented at the biennial meeting of the International Congress of Infant Studies, New Orleans, LA.
  17. Jiang, M. J., **Choi, K.**, Kirkorian, H. L., Travers, B. G., Rosengren, K. S., Jobin, P., Pavalko, P., Matoba, M. & Tolkin, E. (2016, May). *Drawing across media: The impact of technology on the quality of drawings*. Poster presented at the annual meeting of the Association for Psychological Science, Chicago, IL.
- 2015
16. **Choi, K.**, Kirkorian, H. L., Pempek, T. A., Schroeder, E. L., & Etta, R. A. (2015, October). *The impact of contextual differences on toddlers' object retrieval using touchscreens*. Poster presented at the Digital Media & Developing Minds Conference, National Academies of Sciences Sackler Colloquia, Irvine, CA.
  15. **Choi, K.**, Kirkorian, H. L., Pempek, T. A., Schroeder, E. L., & Etta, R. A. (2015, October). *The impact of contextual differences on toddlers' object retrieval using touchscreens*. Poster presented at the biennial meeting of the Cognitive Development Society, Columbus, OH.
  14. Kirkorian, H. L., **Choi, K.**, Pempek, T. A., Schroeder, E. L., & Etta, R. A. (2015, May). *Toddlers' learning from interactive vs. non-interactive mediated experiences using touchscreens*. Talk presented at the annual meeting of the International Communication Association, San Juan, PR.
  13. Kirkorian, H. L., **Choi, K.**, Schroeder, E., Pempek, T. A., & Etta, R. A. (2015, May). *Toddlers' learning from video: The role of cognitive-control skills*. Talk presented at the annual meeting of the International Communication Association, San Juan, PR.
  12. **Choi, K.**, Kirkorian, H. L., Pempek, T. A., & Schroeder, E. L. (2015, March). *Toddlers' object retrieval using touchscreens: The role of working memory skills*. Talk presented at the biennial meeting of the Society for Research in Child Development in Philadelphia, PA.
  11. Kirkorian, H. L., **Choi, K.**, Schroeder, E. L., & Etta, R. A. (2015, March). *Object retrieval using interactive video: The role of visual selection in learning from screens*. Talk presented at the biennial meeting of the Society for Research in Child Development in Philadelphia, PA.
- 2014
10. Kirkorian, H. L., **Choi, K.**, Pempek, T. A., & Schroeder, E. L. (2014, June). *Toddlers' learning from interactive and non-interactive video on touchscreens*. Poster presented at the biennial meeting of the International Society on Infant Studies in Berlin, Germany.
  9. **Choi, K.**, Schroeder, E. L., & Kirkorian, H. L. (2014, May). *Toddlers' learning from touchscreens: Object retrieval using interactive vs. non-interactive video*. Talk presented at the annual meeting of the Midwestern Psychological Association, Chicago, IL.
- 2013
8. **Choi, K.**, & Kirkorian, H. L. (2013, November). *Attention, comprehension, and learning from video: Evidence from eye movement studies*. Poster presented at Learning to attend, attending to learn: Neurological, behavioral, and computational perspectives, San Diego, CA.
  7. Kirkorian, H. L., & **Choi, K.** (2013, October). *Age differences in top-down control of visual attention during video viewing*. Talk presented at the biennial meeting of the Cognitive Development Society, Memphis, TN.
  6. Vigna, A., **Choi, K.**, Clarkson, A., Hickey, E., Burgess-Hull, A., Burnson, C., Runion, H., Sheche, J., & Pinela, C. (2013, October). *The development, assessment, and impact of a low-cost mindfulness meditation outreach program for a university campus community*. Poster presented at the Conference for Contemplative Practices to Promote Child and Family Well-Being, Madison, WI.
  5. **Choi, K.**, & Kirkorian, H. L. (2013, April). *Object retrieval using contingent vs. non-contingent video on touchscreens*. Poster presented at the biennial meeting of the Society of Research in Child Development, Seattle, WA.

4. **Choi, K.**, Kirkorian, H. L., Hanson, K. G., & Anderson, D. R. (2013, April). *The impact of background television and parent-child interaction on young children's toy play*. Poster presented at the biennial meeting of the Society of Research in Child Development, Seattle, WA.
3. Kirkorian, H. L., **Choi, K.**, & Pempek, T. A. (2013, April). *Toddlers' word-learning from contingent vs. non-contingent video on touchscreens*. Talk presented at the biennial meeting of the Society of Research in Child Development, Seattle, WA.

- 2012
2. Kirkorian, H., & **Choi, K.** (2012, June). *Eye-tracking techniques for studying age differences in online processing of video*. Poster presented at the Eye Tracking Methodology in Child and Infant Research, Minneapolis, MN.
  1. Burgess-Hull, A., Burnson, C., **Choi, K.**, Hickey, E., Pinela, C., Runion, H., Samuelson, A., Sheche, J., & Vigna, A. (2012, April). *The development, assessment, and impact of a mindfulness meditation outreach program*. Poster presented at the International Symposia of Contemplative Studies, Denver, CO.

#### INTRAMURAL SEMINARS

- 2022
- **Choi, K.** (2022, May 2). *Act, Dance, Sing, and Learn with Social Robots: Child-Robot Musical Theater for Informal STEAM Education*. Center for Humanities, Virginia Tech, VA. Virtual.
- 2021
- **Choi, K.** (2021, March 3). *How do we perceive and learn from robots?* Center for Humanities, Virginia Tech, VA. Virtual.
- 2020
- **Choi, K.** (2020, February 19). *Children's active learning with technology*. Center for Humanities, Virginia Tech, VA. Virtual.
- 2017
- **Choi, K.** (2017, October). *Young children's transfer of learning from interactive and non-interactive media*, Talk presented at Cognitive Brain and Behavior Brownbag, Department of Psychology, Rutgers University - Newark.
- 2013
- **Choi, K.** (2013, May). *The influence of media on children's development*, Talk presented at Scholarly SoHE, School of Human Ecology, UW-Madison.
  - **Choi, K.** (2013, May). *Object retrieval using contingent vs. non-contingent video on touchscreens*, Poster presented at the Wisconsin Alumni Research Foundation Discovery Challenge, UW-Madison.
  - **Choi, K.** (2013, April). *The role of individual differences in cognitive skills in children's learning through educational media*, Poster presented at the School of Human Ecology Student Poster & Project Exhibition, UW-Madison.
  - **Choi, K.** (2013, February). *The impact of background television and parent-child interaction on young children's toy play*, Talk presented at Professional Development Seminar in Human Development & Family Studies, UW-Madison.
- 2012
- **Choi, K.** (2012, May). *Children's learning from touchscreens: Object retrieval using interactive vs. non-interactive Video*, Poster presented at the Wisconsin Alumni Research Foundation Discovery Challenge, UW-Madison.
  - **Choi, K.** (2012, April). *Touchscreens and early childhood mathematics*, Poster presented at the School of Human Ecology Student Poster & Project Exhibition, UW-Madison.
  - **Choi, K.** (2012, April). *NSF research grant proposal - Children's learning from touchscreens: Object retrieval using interactive vs. non-interactive video*, Talk presented at Professional Development Seminar in Human Development & Family Studies, UW-Madison.

#### TEACHING

##### Lead Instructor

- HD 1004 (CRN: 16271) - Childhood and Adolescence  
80 undergraduate students

**Spring 2024**

• HD 1004 (CRN: 16275) - Childhood and Adolescence 89 undergraduate students	<b>Spring 2024</b>
• HD 4994 (CRN: 16318) - Undergraduate Research: Children & Technology 9 undergraduate students	<b>Spring 2024</b>
• HD 5514 & HD5974 - Research Methods (CRN: 86157) + Lab (CRN: 86161) 8 graduate students	<b>Fall 2023</b>
• HD 1004 (CRN: 86113) - Human Development I: Conception to Adolescence 119 undergraduate students	<b>Fall 2023</b>
• HD 4994 (CRN: 86144) - Undergraduate Research: Children & Technology 7 undergraduate students, 1 volunteer	<b>Fall 2023</b>
• HD 1004 (CRN: 16201) - Human Development I: Conception to Adolescence 71 undergraduate students	<b>Spring 2023</b>
• HD 1004 (CRN: 21304) - Human Development I: Conception to Adolescence 77 undergraduate students	<b>Spring 2023</b>
• HD 4994 (CRN: 16255) - Undergraduate Research: Children & Technology 9 undergraduate students, 2 volunteers	<b>Spring 2023</b>
• HD 1004 (CRN: 85980) - Human Development I: Conception to Adolescence 116 undergraduate students	<b>Fall 2022</b>
• HD 5514 & HD5974 - Research Methods (CRN: 86028) + Lab (CRN: 86038) 8 graduate students	<b>Fall 2022</b>
• HD 4994 (CRN: 86020) - Undergraduate Research: Children & Technology 11 undergraduate students, 3 volunteers	<b>Fall 2022</b>
• HD 1004 (CRN: 10637) - Human Development I: Conception to Adolescence 80 undergraduate students	<b>Spring 2022</b>
• HD 1004 (CRN: 10638) - Human Development I: Conception to Adolescence 78 undergraduate students (Virtual)	<b>Spring 2022</b>
• HD 4994 (CRN: 16084) - Undergraduate Research: Children & Technology 6 undergraduate students, 2 volunteers	<b>Spring 2022</b>
item HD 5964/7994 - Research and Dissertation 1 graduate students (3 credit hours)	<b>Spring 2022</b>
• HD 5964 - TS: HD Research Team 1 graduate students (1 credit hour)	<b>Spring 2022</b>
• HD 1004 (CRN: 85680) - Human Development I: Conception to Adolescence 80 undergraduate students (Virtual)	<b>Fall 2021</b>
• HD 5514 & HD5974 - Research Methods (CRN: 85747) + Lab (CRN: 93212) 9 graduate students	<b>Fall 2021</b>
• HD 4994 (CRN: 92576) - Undergraduate Research: Children & Technology 5 undergraduate students, 3 volunteers	<b>Fall 2021</b>
• HD 5964/7994 - Research and Dissertation 2 graduate students (3 credit hours)	<b>Fall 2021</b>
• HD 5964 - TS: HD Research Team 1 graduate students (1 credit hour)	<b>Fall 2021</b>
• HD 4994 (CRN: 15950) - Undergraduate Research: Children & Technology 5 undergraduate students, 5 volunteers	<b>Spring 2021</b>
• HD 7994 - Research and Dissertation 1 graduate student (4 credit hours)	<b>Spring 2021</b>
• HD 1004 (CRN: 85528) - Human Development I: Conception to Adolescence 74 undergraduate students (Virtual)	<b>Fall 2020</b>
• HD 4994 (CRN: 92606) - Undergraduate Research: Children & Technology 3 undergraduate students, 7 volunteers	<b>Fall 2020</b>
• HD 7994 - Research and Dissertation 1 graduate student (3 credit hours)	<b>Fall 2020</b>
• HD 3014 (CRN: 19961) - Research Methods in Human Development 47 undergraduate students	<b>Spring 2020</b>

- HD 4994 (CRN: 21521) - Undergraduate Research: Children & Technology **Spring 2020**  
10 undergraduate students, 5 volunteers
- HD 1004 (CRN: 15429) - Human Development I: Conception to Adolescence **Spring 2020**  
77 undergraduate students
- HD 5514 (CRN: 85161) - Research Methods **Fall 2019**  
8 graduate students
- HD 4994 (CRN: 91019, 91544) - Undergraduate Research: Children & Technology **Fall 2019**  
10 undergraduate students, 4 volunteers
- HD 1004 (CRN: 85117) - Human Development I: Conception to Adolescence **Fall 2019**  
122 undergraduate students
- HD 4994 (CRN: 19013) - Undergraduate Research: Children & Technology **Spring 2019**  
2 undergraduate students, 1 volunteer
- HD 1004 (CRN: 15080) - Human Development I: Conception to Adolescence **Spring 2019**  
57 undergraduate students
- HD 1004 (CRN: 84910) - Human Development I: Conception to Adolescence **Fall 2018**  
77 undergraduate students (Virtual)

#### Research Supervisor

- PSYC 21:830:491 - Section 19: Research in Psychology **Fall 2017 - Spring 2018**  
Rutgers University - Newark (Instructor: Dr. Elizabeth Bonawitz)  
Supervised 2-4 undergraduate research assistants per semester
- PSYC 182E - 001: Laboratory in Psychology (Developmental) **Fall 2016 - Spring 2017**  
University of California, Riverside (Instructor: Dr. Rebekah Richert)  
Supervised 3-9 undergraduate research assistants per quarter
- HDFS 592: Research Experience in HDFS **Fall 2012 - Spring 2016**  
University of Wisconsin-Madison (Instructor: Dr. Heather Kirkorian)  
Supervised 3-8 undergraduate students per semester

#### Guest Instructor

- EDEC 445: Administration of Programs for Young Children **Fall 2022**  
Radford University (Instructor: Dr. Boyoung Park)  
Children's learning from digital media technology in early childhood with Kim, J. and Yu, S.  
(10/28/22)
- EDEC 445: Administration of Programs for Young Children **Spring 2022**  
Radford University (Instructor: Dr. Boyoung Park)  
Children's learning from digital media technology in early childhood (3/30/22)
- HD 5224: Child Development in the Family Context **Spring 2021**  
Virginia Tech (Instructor: Dr. Caroline Hornburg)  
Cognitive Development: Attention, Media/Technology (5/3/21)
- HDFS Graduate Student Anti-Racism Book Club **Spring 2021**  
Virginia Tech (Organizer: Jessica Resor)  
White Logic, White Methods, Part VI: The Practice of Racial Research and Conclusion (4/15/21)
- HD 6004: Prof Development Seminar **Fall 2020**  
Virginia Tech (Instructor: Dr. Cynthia Smith)  
Child and adolescent development article discussion (10/9/20)
- HD 6004: Prof Development Seminar **Spring 2020**  
Virginia Tech (Instructor: Dr. Cynthia Smith)  
Types of Conference Presentations (3/6/20)
- HD 1004: Human Development I **Spring 2020**  
Virginia Tech (Instructor: Dr. Kee Jeong Kim)  
Ethology and Ecology (2/3/19; 2/5/19)
- Comm 5494: Media, Tech, Society: Media and Youth **Fall 2019**  
Virginia Tech (Instructor: Dr. Adrienne Ivory)  
Children's learning from non-interactive and interactive media (10/8/19)

- HD 5974: Teaching Seminar **Fall 2019**  
Virginia Tech (Instructor: Ms. Victoria Lael)  
Faculty panel on perspectives on teaching for graduate student instructors of record (8/27/19)
- HD 6004: Prof Development Seminar **Spring 2019**  
Virginia Tech (Instructor: Dr. Cynthia Smith)  
Job searching in academia and submitting articles to journals (4/12/19)
- HD 6004: Prof Development Seminar **Fall 2018**  
Virginia Tech (Instructor: Dr. Cynthia Smith)  
Prosem hot topic: Digital media and child and adolescence development (8/31/19)
- HDFS 425: Research Methods in Human Development and Family Studies **Fall 2015**  
University of Wisconsin-Madison (Instructor: Dr. Janean Dilworth-Bart)  
Experimental designs in research
- HDFS 469: Family and Community Influences on the Young Child **Fall 2015**  
University of Wisconsin-Madison (Instructor: Ms. Lauren Lewis)  
The influence of background TV on children's play and parent-child interaction
- HDFS 474: Racial Ethnic Families in U.S **Fall 2015**  
University of Wisconsin-Madison (Instructor: Dr. Lynet Uttal)  
The influence of media on children's racial attitude and behaviors
- HDFS 616: Mass Media and Youth **Fall 2015**  
University of Wisconsin-Madison (Instructor: Dr. Heather Kirkorian)  
Transfer of learning and Interactive Media
- HDFS 474: Racial Ethnic Families in U.S. (002) **Fall 2015**  
University of Wisconsin-Madison (Instructor: Ms. Lauren Lewis)  
Children, Race, Ethnicity, and Media

ADVISEES AND  
TRAINEES

Graduate Student (3)

- Jisun Kim, Ph.D. Student, 8/17/2020-present (Chair)
- Shuqi Yu, Ph.D. Student, 10/17/2022-present (Chair)
- Mahmut Sami Gürdal, M.S./Ph.D. Student, 8/16/2022-present (Co-Chair)

Visiting Graduate Scholar (1)

- Meryem Şeyda Özcan, Ph.D. Candidate in Developmental Psychology at Koç University, 1/22/2024-present (Host)

Temporary Advisee (1)

- Madelyn Toman, M.S./Ph.D. Student, 8/16/2021-5/16/2022

Committee Member - Current (4)

- Marrium Mansoor, Ph.D., Human Development and Family Science
- Elayna Seago, Ph.D., Human Development and Family Science
- Maegan Reinhardt, Ph.D., Human Development and Family Science

Committee Member - Completed (4)

- Jessica Resor, Ph.D., Human Development and Family Science
- Shuqi Yu, M.S. Human Development and Family Science
- Caroline Taylor, M.S./Ph.D., Psychology
- Candy Beers, Ph.D., Human Development and Family Science
- Diana Devine, Ph.D., Human Development and Family Science

Graduate Research Assistants at Virginia Tech

- Eunkyung Lucy Shin 8/13/2018-5/2020; Hired into postdoctoral research associate position at Fralin Biomedical Research Institute at Virginia Tech Carilion School of Medicine (VTC)
- Jessica Resor 8/26/2019-5/2020
- Jisun Kim 8/17/2020-present

- Shuqi Yu 8/17/2021-present
- Maddie Toman 8/17/2022-5/2023

#### Graduate Teaching Assistants at Virginia Tech

- Shawnice Johnson 8/26/2019-12/20/2019
- Candy Beers 8/17/2020-12/18/2020
- Diana Devine 8/17/2021-12/18/2021
- Jisun Kim 8/17/2022-12/18/2022
- Shuqi Yu 8/17/2022-12/18/2022
- Maegan Reinhardt 8/17/2023-12/18/2023

#### Undergraduate Research Assistants at Virginia Tech

- Ashleigh Bedwell, 1/22/2019-5/17/2019
- Rachel Metts, 8/12/2019-8/23/2019
- Bethany Grocock, Katie Johnson, 1/22/2019-5/14/2021
- Sara Belay, 6/1/2019-5/2020
- Rhea Bhatia, 8/26/2019-5/2020
- Eva Catherine Grumbine, Valerie Salmon, 8/26/2019-5/2020
- Ally Copeland, 8/26/2019-12/18/2020
- Molly Simek, Caroline Kammer, 1/21/2020-12/28/2020
- Anvitha Metpally, Eman Ayaz, 8/26/2019-5/14/2021
- Ava Bir, Michelle Tran, Taylor Covington, 8/26/2019-12/15/2021
- Breanne De Vera, 8/26/2019-Present
- Martha Drapac, 1/18/2021-12/15/2021
- Jordan Teel, 1/18/2021-Present
- Naheda Nassan, 5/18/2021-12/15/2021
- Yullie Kwak, 5/18/2021-Present
- Ava Morris, Julia Place, 1/18/2022-5/14/2022
- Ursilia Beckles, Luke Janoschka, 1/18/2022-12/16/2022
- Laura Zhang Zhang, 1/18/2022-Present
- Sraavya Gudavalli, Richard Martinez, 8/16/2022-12/16/2022
- Sebastian Ballesteros, Angel Appiadu-Manu, Alina Tseng, Maggie Ashley, Zainab Shamim, Yilin Liu, 8/16/2022-5/14/2023
- Maggie Ashley, 8/16/2022-12/16/2024
- Lauren Meier, 1/16/2023-5/16/2023
- Christine Lolavar, Ahmed (Belal) Qazizada, 8/26/2023 - 12/16/2023
- Ilan Litvak, Rahul Bhamidipati, Bailey Vaughn, Alethia Holstein, Alia Konold, 8/26/2023 - Present
- Junwoo Seo, Hailey Annibell, Monika Khadka, 1/22/2023 - Present

#### Undergraduate Field Study at Virginia Tech

- Julia Ricci, 5/24/2021-12/15/2021
- Maggie Ashley, 8/16/2023 - 12/15/2023
- Sebastian Ballesteros, 8/16/2022-5/14/2023
- Alethia Holstein, 8/16/2023 - Present

#### Undergraduate Honors Credit at Virginia Tech

- Martha Drapac, 8/24/2020-12/20/2020

#### Undergraduate Advising at Virginia Tech

- Childhood Pre-Education (CPED) or Human Development (HD) Major, 10-14 students per semester, Spring 2021- Present



- Korean Journal of Child Studies **12/1/2023 - Present**
- Journal of Experimental Child Psychology **1/3/2023 - Present**
- Korean Journal of Human Development **1/1/2023 - Present**
- Korean Journal for Infant Mental Health **1/1/2023 - Present**
- Journal of Applied Developmental Psychology **6/15/2022 - Present**
- Frontiers in Psychology **1/21/2022 - Present**
- Media Psychology **2/12/2021 - Present**
- Korean Journal of the Society for Cognitive Enhancement and Intervention **3/1/2019 - Present**

#### Ad-Hoc Journal Reviewer

- British Journal of Developmental Psychology (3), British Journal of Educational Technology (1), Child Development (9), Computers and Education (1), Developmental Science (1), Education Sciences (1), Educational Psychology (1), European Journal of Psychology of Education (1), Frontiers in Psychology (3), Human Behavior and Emerging Technologies (1), Infancy (3), Infant Behavior and Development (2), Infant Child Development (2), International Journal of Behavioral Development (1), International Journal of Human-Computer Interaction (2), Journal of Applied Developmental Psychology (3), Journal of Children and Media (4), Journal of Cognition and Development (1), Journal of Experimental Child Psychology (9), Korean Journal of Cognitive Enhancement and Intervention (1), Media Psychology (5), PLOS ONE (2), Scientific Reports (1)
- Number of reviewed papers: 2023 (9), 2022 (8), 2021 (15), 2020 (13), 2019 (10), 2018 (5), 2017 (4), 2016 (1), 2015 (1), 2014 (1)

#### Conference Submission Reviewer

- Reviewer for the 2024 Association of Computing Machinery (ACM) Conference on Human Factors in Computing Systems (CHI) **2023**
- Reviewer for the 2023 Biennial Meeting of the Society for Research in Child Development as a Mentor (Mentee: Shuqi Yu) **2022**
- Reviewer for the 2022 Biennial Meeting of the Society for Research on Adolescence as a Mentor (Mentee: Jisun Kim, Shuqi Yu) **2021**
- Reviewer for the 2021 Annual American Psychological Association (APA) Conference on Technology, Mind, and Society **2021**
- Reviewer for the 2021 Biennial Meeting of the Society for Research in Child Development as a Mentor (Mentee: Jisun Kim) **2020**
- Reviewer for the 2020 Special Topics Meeting of the Society for Research in Child Development, Learning through Play and Imagination **2019**
- Reviewer for the 2019 Biennial Meeting of the Society for Research in Child Development **2018**
- Reviewer for the 2018 Technology, Mind and Society Conference of the American Psychological Association **2017**
- Reviewer for Doctoral Consortium at the 2016 Special Topics Meeting of the Society for Research in Child Development **2016**
- Student Reviewer for the 2016 Special Topics Meeting of the Society for Research in Child Development, Technology and Media in Children's Development (Mentor: Dr. Kaveri Subrahmanyam) **2016**
- Student Reviewer for the 2013 Biennial Meeting of the Society for Research in Child Development, Panel 26: Contexts of Child Development: Family, Neighborhood, Child Care, Media, & Religious Institutions (Mentor: Dr. Heather Kirkorian) **2012**

#### SERVICE TO THE PROFESSION

#### Ad Hoc Review of External Proposals

- National Science Foundation, Division of Developmental Science **2023**

#### Conference Symposium Organizer and Chair

- Co-Organizer (Choi, K., & Kirkorian, H.L.), *Digital Media and Cognitive Development* **2022**  
2022 Cognitive Development Society Pre-conference Workshop, Madison, WI.
- Chair, *Emerging Technologies and Cognitive Development Symposium* **2022**  
2022 Cognitive Development Society Pre-conference Workshop, Madison, WI. (April 21)
- Co-Organizer (Bhatti, N., Kelliher, A., Hiniker A., Choi, K., Shahid, S., Ammari, T., Xu, Y., Murad, C., & Michelson, R.) *Technology for children at home: Exploring ways to support care-givers with screen and voice based technology* **2022**  
2022 Association for Computing Machinery (ACM) International Conference on Supporting Group Work (GROUP) Workshop, Virtual (February 2)
- Chair, *Temperament and Technology Symposium* **2020**  
2020 Occasional Temperament Conference, Blacksburg, VA. (November 2)
- Co-Organizer (Kirkorian, H.L., Richert, R. R., & Choi, K.), *Digital Media and Cognitive Development* **2019**  
2019 Cognitive Development Society Pre-conference Workshop, Louisville, KY. (October 17)
- Chair, *Direct and Indirect Learning from Digital Media Panel* **2019**  
2019 Cognitive Development Society Pre-conference Workshop, Louisville, KY. (October 17)
- Co-Organizer (Richert, R. R., Kirkorian, H.L., & Choi, K.), *Digital Media and Cognitive Development* **2017**  
2017 Cognitive Development Society Pre-conference Workshop, Portland, OR.
- Chair, *Understanding children's learning from interactive touchscreens* **2016**  
Symposium presented at the 2016 Special Topics Meeting on Technology and Media in Children's Development of the Society for Research in Child Development, Irvine, CA.

#### Academic Community

- Regional Representative (Southeast) for the Korean American Early Childhood Researchers Association (KAEBCRA) **4/11/2021 - Present**
- Mentor for the Asian Caucus Mentoring session at the 2021 Biennial Meeting of the Society for Research in Child Development **4/9/2021**
- Member of the Board of Directors, Korean Association of Child Studies **2020 - Present**
- Member of the Board of Directors, Korean Psychological Association, Developmental Psychology Division **2019 - Present**
- Student representative to the Interdisciplinary Committee on the Student and Early Career Council (SECC) in Society for Research in Child Development (SRCD) **2013 - 2017**

#### SERVICE TO THE UNIVERSITY

##### Virginia Tech

- Advisory Board Member, The Office of Undergraduate Research (OUR), Virginia Tech **6/9/2021 - 6/9/2022**

##### College of Liberal Arts and Human Sciences at Virginia Tech

- Department Representative, College of Liberal Arts and Human Sciences Library Committee, Virginia Tech **8/23/2018 - 5/31/2023**

##### Department of Human Development and Family Science at Virginia Tech

- Human Development and Family Science Awards Committee, Virginia Tech **10/6/2023 - Present**
- Child and Adolescent Development Area Coordinator, Virginia Tech **3/15/2021 - Present**
- Faculty Search Committee Member - Department Head Search Committee (HDFS), Virginia Tech **8/8/2022 - 2/9/2023**
- Faculty Search Committee Member - Faculty Search Committee (HDFS; Marriage and Family Therapy), Virginia Tech **9/13/2019 - 3/5/2020**
- Faculty Search Committee Member (Diversity Advocate) - Faculty Search Committee (HDFS; Child and Adolescent Development), Virginia Tech **12/1/2018 - 4/30/2019**

#### School of Human Ecology at UW-Madison

- School of Human Ecology (SoHE) Early Childhood Task Force Focus Group, University of Wisconsin-Madison **10/1/2015 - 10/31/2015**
- Department Representative - School of Human Ecology Colloquium Committee, University of Wisconsin-Madison **9/1/2012 - 8/31/2013**

#### Human Development and Family Studies Department at UW-Madison

- Professional Development Chair - Human Development & Family Studies Graduate Student Organization (GSO), University of Wisconsin-Madison **5/1/2012 - 9/30/2013**
- Member – Human Development & Family Studies Graduate Student Organization Graduate Student Organization (GSO), University of Wisconsin-Madison **9/1/2011 - 5/31/2012**

#### SERVICE TO THE COMMUNITY

#### Invited Community Workshops and Presentations

##### Student Co-Presenters

- *Screen time for children: Guidance for parents*, Presentation (with Resor, J.) at the Virginia Tech Parent Teacher Association Meeting, Blacksburg, VA **2/7/2020**
- *Children and screens: New media and new guidance for parents*, Co-presentation at the webcast for the UW Extension Family Living Program, Madison, WI **3/3/2016**
- *The impact of technology on learning and development*, Wisconsin Early Childhood Association Annual Meeting, Madison, WI **7/21/2015**
- *Helping young children learn and grow seminar*, Talk at the 2014 Wisconsin 4-H & Youth Conference, Madison, WI **6/25/2014**
- *The importance of research on children's learning from touchscreens*, Presentation at the UW Campus-Affiliated Preschool Director Meeting, Madison, WI **8/15/2012**

#### Outreach Projects

- *Math Masterminds*. Collaborator (Organizer: Dr. Caroline Hornburg), Exhibit at the Hokie for a Day Expo, Blacksburg, VA **11/29/2023**
- *Conversational AI and Social Robots for Storytelling*. Faculty Mentor supporting Shuqi Yu, Exhibit at the Virginia Tech Science Festival, Blacksburg, VA **11/11/2023**
- *Conversational AI for Children's Learning*. Faculty Mentor supporting Jisun Kim, Demonstration at the Virginia Tech Humanities Week, Blacksburg, VA **10/25/2023**
- *Hang Out with Robots*. Collaborator, Exhibit at the Virginia Tech Science Festival, Blacksburg, VA **11/2/2022**
- *Robot Musical Theater for STEAM*. Co-Organizer, Exhibit at the ICAT Creativity + Innovation Day, Blacksburg, VA **5/2/2022**
- *Robot Musical Theater*. Co-Organizer, Performance and Presentation at the 2022 Ut Prosim Seminar, Blacksburg, VA **4/30/2022**
- *Robot Musical Theater*. Co-Organizer, Presentation at the ICAT Playdate, Blacksburg, VA **4/29/2022**
- *Climate change: Your voice is important (robot musical theater)*. Co-Organizer, Performance at the Virginia Tech Science Festival, Blacksburg, VA **11/6/2021**
- *Look, think, and play: Mobile eye tracking and math games*. Organizer, Eye-tracking technology Zoom outreach meetup sessions at the Virginia Tech Science Festival (Virtual), Blacksburg, VA **10/25/2021**
- *Do you know what I'm looking at? Tracking eye movements during math games*. Organizer, Eye-tracking technology Zoom outreach meetup sessions at the Virginia Tech Science Festival (Virtual), Blacksburg, VA **9/29, 10/1, 10/6/2020**
- *Are you still watching? Using eye-tracking to understand learning from mobile media*. Organizer, Institute for Creativity, Arts, and Technology (ICAT) Creativity + Innovation Day (Virtual), Blacksburg, VA **5/4/2020**
- *What are you looking at?* Organizer, Eye-tracking technology station at the Virginia Tech Science

- Festival, Blacksburg, VA **11/19/2019**
- *Tracking your eye-movements*, Organizer, Eye-tracking exploration station at the Wisconsin Science Festival, Madison, WI **2013, 2014**

#### Consultation

- *Consultation for a childcare plan during the science festival for Education and Outreach Manager*, Wisconsin Science Festival, Madison, WI **2013**

#### Media Contributions

- Screen time and young children with Koeun Choi, *Curious Conversation Podcast* **12/11/2023**
- Children befriend robots in playful after-school research program, *VT News* **1/21/2022**
- School's back, now what? How to navigate education on and offline during the global pandemic. Experts tips for parents newsletter on going back to school, *Children and Screens* **2020**

#### PROFESSIONAL SOCIETY MEMBERSHIPS

- International Society for the Study of Behavioural Development, 2023 - Present
- Society for Applied Research in Memory and Cognition. 2023 - Present
- Korean Association of Child Studies. 2020 - Present
- Korean Society for Cognitive Enhancement and Intervention. 2019 - Present
- Korean Psychological Association, Developmental Psychology Division. 2019 - Present
- Cognitive Science Society. 2017 - Present
- Cognitive Development Society. 2015 - Present
- International Congress of Infant Studies 2012 - Present
- Society for Research in Child Development. 2011 - Present

#### REFERENCES

References and additional information available upon request.