

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 interests are at the intersection between cognitive development and media technology. I am interested in understanding how children learn in a complex and dynamic digital media environment. My work has focused on four aspects of learning from media, including examining (1) the impact of media on learning, (2) characterizing individual and contextual differences that moderate or mediate media effects, (3) identifying cognitive mechanisms underlying media-based learning, and (4) connecting computational modeling and data analytics to describe and predict this learning. I employ multiple methods such as experimental designs, individual difference measures, eye-tracking methodologies, and statistical and computational approaches to tackle these questions. My goal is to connect cognitive development and media technology to explain and support 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

- The Center for Humanities Affiliated Faculty Member

09/2019 - Present

Department of Psychology

Rutgers University-Newark, New Jersey, USA

Postdoctoral Fellow (PI: Elizabeth Bonawitz)

09/2017- 07/2018

Department of Psychology

University of California, Riverside, California, USA

Postdoctoral Scholar (PI: Rebekah Richert)

07/2016- 06/2017

WORK
EXPERIENCE

Department of Human Development and Family Studies
University of Wisconsin-Madison, 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

RESEARCH SUPPORT

External Funding

- Cyber-Human Systems: Medium - \$1,170,436.00 National Science Foundation
PI: Koeun Choi **Pending**
Co-PI: Myounghoon Jeon, Tae-Ho Lee
Proposal: Interactive robotics in early childhood: Investigating the psychological process and neural basis of preschoolers' learning with humanlike robots
Role: Principal Investigator

Internal Funding

- Institute for Critical Technology and Applied Science Grant - \$40,000.00 Virginia Tech
PI: Koeun Choi **Pending**
Co-PI: Myounghoon Jeon, Tae-Ho Lee
Proposal: Interactive robotics for human learning: Visual attention and brain processes underlying preschoolers' learning from robots
Role: Principal Investigator
- The Center For Humanities Professional Development Grant - \$1,000.00 Virginia Tech
PI: Koeun Choi **September 19, 2019 - May 31, 2020**
Role: Principal Investigator
- Institute for Society, Culture, and Environment Unsolicited Grant - \$4,360.00 Virginia Tech
PI: Koeun Choi **August 12, 2019 - December 31, 2019**
Co-PI: Cynthia L. Smith
Proposal: Child temperament and early screen time: The mediating role of parental stress
Role: Principal Investigator
- College of Liberal Arts and Human Sciences Niles Research Grant - \$5,000.00 Virginia Tech
PI: Koeun Choi **July 1, 2019 - June 1, 2020**
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 - \$25,000.00 Virginia Tech
PI: Koeun Choi **July 1, 2019 - May 31, 2020**
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
- New Faculty Mentoring Project Grant - \$1,500.00 Virginia Tech
PI: Koeun Choi **June 1, 2019 - May 31, 2021**
Proposal: Active mentoring to advance research in children and technology
Role: Principal Investigator

AWARDS AND HONORS	Top Paper Award from the Children, Adolescents, and Media Division of International Communication Association (Kirkorian, Choi, Yoo, & Etta)	2018
	Top Paper Award from the Children, Adolescents, and Media Division of International Communication Association (Kirkorian, Choi, & Anderson)	2017
	Society for Research in Child Development Early Career Travel Award (\$500)	2017
	Human Development & Family Studies Outstanding Research Award (\$400)	2016
	Sackler Colloquia National Academy of Sciences Travel Award (\$1,000)	2015
	Schurch-Thomson Graduate Research Award (\$2,000)	2015
	Human Development & Family Studies Summer Research Award (\$1,500/yr)	2014-2015
	Human Development & Family Studies Travel Award (\$500/yr)	2013-2016
	Meyers Fund of the School of Human Ecology Travel Award (\$500/yr)	2014-2016
	McPherson ERI David G. Walsh Research Travel Award (\$1,000)	2013
	Viola Baker Endowment School of Human Ecology Travel Award (\$500)	2013
	Human Development & Family Studies Outstanding Research Scholarship Award	2013
	Society for Research in Child Development Travel Award (\$300)	2013
	Korean Honor Scholarship sponsored by the Embassy of the Republic of Korea (\$1,000)	2012
	Graduate Student Academic Award, Korea Institute of Child Care & Education (\$500)	2010
	Seoul National University Entrance Scholarship, Seoul National University	2003
PROFESSIONAL SOCIETY MEMBERSHIPS	<ul style="list-style-type: none"> • Cognitive Science Society. 2017- Present • Society for Research in Child Development. 2011 - Present • Cognitive Development Society. 2015 - Present • Korean Psychological Association, Developmental Psychology Division. 2019 - Present • Korean Association of Child Studies. 2020 - Present • Korean Society for Cognitive Enhancement and Intervention. 2019 - Present 	
MANUSCRIPTS UNDER REVIEW	8. Choi, K. , Kirkorian, H. L., & Pempek, T. A. (in revision). Does cognitive control moderate toddlers' transfer from contingent video? An exploratory study.	
PEER REVIEWED JOURNAL PAPERS	2 first author, 5 co-author	
2019	<p>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. <i>Developmental Psychology</i>, 56(1), 28-39. https://doi.org/10.1037/dev0000825</p> <p>6. Kirkorian, H. L., Choi, K., & Anderson, D. R. (2019). American parents' active involvement mediates the impact of background television on toddlers' play. <i>Journal of Children and Media</i>, 13(4), 377-394. https://doi.org/10.1080/17482798.2019.1635033</p>	
2018	<p>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. <i>Child Development</i>, 89(4), 1378-1393. https://doi.org/10.1111/cdev.12810</p> <p>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. <i>Journal of Motor Learning and Development</i>, 6(1), 147-166. https://doi.org/10.1123/jmld.2016-0044</p>	
2017	3. Kirkorian, H. L., & Choi, K. (2017). Associations between toddlers' naturalistic media experience and observed learning from screens. <i>Infancy</i> , 22(2), 271-277. https://doi.org/10.1111/infa.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>
- PEER-REVIEWED
PAPERS IN
CONFERENCE
PROCEEDINGS
- 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>
- MANUSCRIPTS IN
PREPARATION
- . **Choi, K.**, Schlesinger, M. A., Franchak, J. M., & Richert, R. A. (in preparation). Preschoolers use others' effort as a cue to selective attention and imitation: An eye-movement study.
 - . **Choi, K.**, Lapidow, E., Austin, J., Shafto, P., & Bonawitz, E. (in preparation). Preschoolers are more likely to direct learning content questions to adults than to other children (or selves) during spontaneous conversational acts.
 - . **Choi, K.**, Grados, M., & Bonawitz, E. (in preparation). Child-led play supports parents to make flexible and exploratory causal inferences.
 - . **Choi, K.**, & Richert, R. A. (in preparation). The impact of repetition and fantasy on transfer of learning from media: An eye-tracking study.
 - . Kirkorian, H. L., **Choi, K.**, Etta, R., & Yoo, S. H. (in preparation). Does media interactivity support toddlers' learning by guiding selective attention? An eye-movement study.
- 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 non-interactive media. In R. Barr & D. Linebarger (Eds) *Media exposure during infancy and early childhood: The effect of content and context on learning and development*. Springer: New York, NY. 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.
- INVITED
PRESENTATIONS
- 8 domestic and 2 international
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

- 2019
38. **Choi, K.**, Grados, M., & Bonawitz, E. (2019, October 19). *Learning from children: Adults' exploratory causal inferences benefit from observing child-led explorations*. Poster presented at the biennial meeting of the Cognitive Development Society, Louisville, KY.
 37. Zettersten, M., **Choi, K.**, Kirkorian, H. L., & Saffran, J. (2019, October 18). *How does active sampling support learning new words?* Poster presented at the biennial meeting of the Cognitive Development Society, Louisville, KY.
 36. **Choi, K.**, Grados, M., & Bonawitz, E. (2019, July 27). *Observing child-led exploration improves parents' causal inferences*. Poster presented at the 41th annual Cognitive Science Society meeting, Montreal, Canada.
 35. Rett, A., Bonawitz, E., **Choi, K.**, & Walker, C. (2019, July 27). *I never even considered that! Investing explanations for adults failures to learn conjunctive causal rules*. Poster presented at the 41th annual Cognitive Science Society meeting, Montreal, Canada.
 34. Rett, A., Bonawitz, E., **Choi, K.**, & Walker, C. (2019, July 13). *When evidence alone is not enough: Facilitating the generation of unusual causal hypotheses*. Poster presented at the 45th annual meeting of the Society for Philosophy and Psychology, San Diego, CA.
 33. **Choi, K.**, Lapidow, E., Austin, J., Shafto, P., & Bonawitz, E. (2019, March 23). *Preschoolers are more likely to direct learning content questions to adults than to other children (or selves) during spontaneous conversational acts*. Paper presented at the biennial meeting of the Society for Research in Child Development, Baltimore, MD.
 32. **Choi, K.**, & Bonawitz, E. (2019, March 23). *Child-led play supports parents to make flexible and exploratory causal inferences*. Paper presented at the biennial meeting of the Society for Research in Child Development, Baltimore, MD.
 31. Baugh, C., Richert, R., Schlesinger, M., & **Choi, K.** (2019, March 22). *The role of perceived similarity in children's social learning*. Poster presented at the biennial meeting of the Society for Research in Child Development, Baltimore, MD.
- 2018
30. **Choi, K.**, Lapidow, E., Austin, J., Shafto, P., & Bonawitz, E. (2018, July 27). *Preschoolers are more likely to direct learning content questions to adults than to other children (or selves) during spontaneous conversational acts*. Paper presented at the 40th annual Cognitive Science Society meeting, Madison, WI.
 29. **Choi, K.**, & Bonawitz, E. (2018, July 20). *Adults can exploit children's exploration for their own learning: Child-led play supports adult causal conjunctive inferences*. Poster presented at the

Pre-Conference Workshop on understanding exploration-exploration trade offs at the 40th annual Cognitive Science Society meeting, Madison, WI.

- 2017
28. **Choi, K.**, Schlesinger, M. A., Grant, C., Puttre, H. J., Franchak, J. M., & Richert, R. A. (2017, October). *Preschoolers use others' effort as a cue to attention and selective imitation*. Poster presented at the biennial meeting of the Cognitive Development Society, Portland, OR.
 27. Lapidow, E., Bonawitz, E., Shafto, P., Austin, J., **Choi, K.**, Tariq, S., & Bell, C. (2017, October). *Preschoolers are more likely to direct questions to adults than to other children (or selves) during spontaneous conversational acts*. Poster presented at the Cognitive Development Society Pre-Conference Workshop on Question Asking on Childhood, Portland, OR.
 26. Jiang, M., **Choi, K.**, Raimor, C., Kirkorian, H. L., Tolkin, E., Sartin-Tarm, A., & Rosengren, K. S. (2017, October). *Children's action errors: A diary study in their natural environment*. Poster presented at the biennial meeting of the Cognitive Development Society, Portland, OR.
 25. Kirkorian, H., **Choi, K.**, Yoo, S. & Etta, R. A. (2017, October). *Selective attention and learning from interactive and noninteractive video: An eye movement study*. Poster presented at the biennial meeting of the Cognitive Development Society, Portland, OR.
 24. **Choi, K.**, Schlesinger, M. A., Franchak, J. M., & Richert, R. A. (2017, May). *Character perceptions guide children's looking to and learning from on-screen characters*. Paper presented at the annual meeting of the International Communication Association, San Diego, CA.
 23. Kirkorian, H. L., **Choi, K.**, & Anderson, D. R. (2017, May). *Parents' active engagement mediates the impact of background TV on toddlers' play*. Paper presented at the annual meeting of the International Communication Association, San Diego, CA.
 22. **Choi, K.**, Kirkorian, H. L., & Etta, R. A. (2017, April). *The effect of contextual variability on the generalization of category labels between symbolic mediums*. Poster presented at the biennial meeting of the Society for Research in Child Development, Austin, TX.
 21. Etta, R. A., Kirkorian, H. L., & **Choi, K.**. (2017, April). *Preschoolers' learning from children's books: Effects of platform and interactivity*. Poster presented at the biennial meeting of the Society for Research in Child Development, Austin, TX.
 20. Jiang, M., **Choi, K.**, Kirkorian, H. L., Travers, B. G., Rosengren, K. S., Millerhagen, J., Lee, C., & Haugstad, N. (2017, April). *Drawing across mediums: The impact of technology on the quality and production of drawings*. Poster presented at 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*. Paper 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*. Paper 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*. Paper 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*. Paper 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*. Paper 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*. Paper 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*. Paper 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*. Paper 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
- 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 3014 (CRN: 15429) - Research Methods **Spring 2020**
48 undergraduate students
- HD 4994 (CRN: 91019) - Undergraduate Research: Children & Technology **Spring 2020**
10 undergraduate students, 5 volunteers
- HD 1004 (CRN: 85117) - Human Development I: Conception to Adolescence **Spring 2020**
79 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

- 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

- HD 1004: Human Development I **Fall 2019**

- 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)
 - HDFS Teaching Seminar **Fall 2019**
Virginia Tech (Instructor: Ms. Victoria Lael)
Faculty panel on perspectives on teaching for graduate student instructors of record (IORs)
 - HD 6004: Prof Development Seminar **Spring 2019**
Virginia Tech (Instructor: Dr. Cynthia Smith)
Job searching in academia and submitting articles to journals
 - 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

Committee Member (current)

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

Graduate Research Assistants at Virginia Tech

- Eunkyung Lucy Shin 8/13/2018-
- Jessica Resor 8/26/2019-

Graduate Teaching Assistants at Virginia Tech

- Shawnice Johnson 8/26/2019-12/20/2019

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, Ashleigh Bedwell, 1/22/2019-Present
- Sara Belay, 6/1/2019-Present
- Ally Copeland, Anvitha Metpally, Ava Bir, Breanne De Vera, Eman Ayaz, Eva Catherine Grumbine, Meagan Graham, Michelle Tran, Rhea Bhatia, Taylor Covington, Valerie Salmon, 8/26/2019-Present
- Molly Simek, Caroline Kammer, 1/21/2020-Present

EDITORIAL
ACTIVITIES

Editorial Board

- Korean Journal of the Society for Cognitive Enhancement and Intervention **3/1/2019 - 12/31/2020**

Ad-Hoc Journal Reviewer

- British Journal of Developmental Psychology (1), Child Development (8), Developmental Science (1), European Journal of Psychology of Education (1), Journal of Applied Developmental Psychology (1), Journal of Children and Media (2), Journal of Cognition and Development (1), Journal of Experimental Child Psychology (2), Infancy (1), International Journal of Behavioral Development (1), Media Psychology (2), PLOS ONE (1)
- Number of reviewed papers: 2019 (10), 2018 (5), 2017 (4), 2016 (1), 2015 (1), 2014 (1)

Conference Submission Reviewer

- 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

Conference Symposium Organizer and Chair

- Chair, *Temperament and Technology Symposium* **2020**
2020 Occasional Temperament Conference, Blacksburg, VA (March 28)
- Co-Organizer, *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, *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

- Member of the Board of Directors, Korean Association of Child Studies **2020 - 2021**
- Member of the Board of Directors, Korean Psychological Association, Developmental Psychology Division **2019 - 2021**
- 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

College of Liberal Arts and Human Sciences at Virginia Tech

- Department Representative - College of Liberal Arts and Human Sciences Library Committee, Virginia Tech) **8/1/2018 - Present**

Department of Human Development and Family Science at Virginia Tech

- Faculty Search Committee Member - Faculty Search Committee (HDFS; Marriage and Family Therapy), Virginia Tech **9/13/2019 - Present**
- 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

Workshops and Presentations

- *Children and screen time: Guidance for parents*, Presentation, VT Parent Teacher Association Meeting, Blacksburg, VA **2/7/2020**
- *Children and screens: New media and new guidance for parents*, Co-presentation, UW Extension Family Living Tech Talk, 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*, 2014 Wisconsin 4-H & Youth Conference, Madison, WI **6/25/2014**
- *The importance of research on children's learning from touchscreens*, UW Campus-Affiliated Preschool Director Meeting, Madison, WI **8/15/2012**

Outreach Project Organizer

- *What are you looking at?* Eye-tracking technology station at the Virginia Tech Science Festival, Blacksburg, VA **11/19/2019**
- *Tracking your eye-movements*, 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**

QUALIFICATIONS

- Korean National Technical Qualification Certificate, Survey Analyst, Junior, 2008
- Childcare Teacher Certification by Korean Ministry for Health, Welfare, & Family Affairs, 2008
- Microsoft Office Specialist, Master, 2007

ADDITIONAL
TRAINING

- Data on the Mind Workshop at University of California, Berkeley (6/26/17 - 6/29/17)
- NIH Write Winning Grant Proposals workshop (6/3/13)
- Grants & Grant Writing Course (2013 Spring)
- DelTA Research Mentor Training Seminar (5/29/13 - 6/31/13)
- Positive Science Head-Mounted Eye-Tracker On-Site Training (9/28/12)
- EyeTracKids, Minneapolis 2012 Eye Tracking Methodology in Child and Infant Research: Tobii pre-conference eye-tracking course (6/6/12)

REFERENCES

References and additional information available upon request.