

# Sung Eun Jung, Ph. D.

The University of Arizona  
Department of Teaching, Learning and Sociocultural Studies  
1430 E 2nd St, Tucson, College of Education, Room 811, AZ 85721  
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## EDUCATION

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- 2018            **University of Georgia**, Athens, GA  
Ph.D. in Early Childhood Education  
Dissertation: *Dialogic Intra-actions of Young Children and Robotic Manipulatives*
- 2008            **Chung-Ang University**, Seoul, South Korea  
M.A. in Early Childhood Education
- 2006            **Chung-Ang University**, Seoul, South Korea  
B.A. in Early Childhood Education

## EMPLOYMENT

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### University

- 2022 –            **Assistant Professor**  
*(Research/Tenure-Track Faculty, Member of the Graduate Faculty)*  
Early Childhood Education Program  
Department of Teaching, Learning, and Sociocultural Studies  
University of Arizona, Tucson, GA
- 2018 – 2022      **Assistant Professor of Practice**  
*(Career-Track Faculty, Member of the Graduate Faculty)*  
Early Childhood Education Program  
Department of Teaching, Learning, and Sociocultural Studies  
University of Arizona, Tucson, GA
- 2017 - 2018      **Graduate Teaching Assistant**  
*(Field Supervisor)*  
Department of Educational Theory and Practice  
University of Georgia, Athens, GA

2015 - 2017      **Graduate Teaching Assistant**  
*(Instructor of Record)*  
Department of Educational Theory and Practice  
University of Georgia, Athens, GA

2014 - 2015      **Graduate Teaching Assistant**  
*(Field Supervisor)*  
Department of Educational Theory and Practice  
University of Georgia, Athens, GA

### **Pre-K - 3 Classroom**

2009 - 2013      **Kindergarten Teacher** (Age 4 & 5)  
Chung-Ang University Affiliated Kindergarten, Seoul, South Korea

2009 - 2008      **Kindergarten Teacher** (Age 5)  
Woo-Jung Kindergarten, Seoul, South Korea

### **Community Setting**

2014 - 2015      **Teacher**  
Awesome Club House, Athens, GA  
Art, Literacy, Technology (A.L.T.) Saturday Program for Young Children  
(ages 4 to 7)

2015              **Teacher**  
Whitehead Elementary School, Athens, GA  
Robotics Education Program (An extended learning class) and Summer  
Robotics Program for 2<sup>nd</sup> graders

### **Research Institution**

2007              **Co-Researcher**  
A commissioned research project for Korean Ministry of Health and Welfare (a  
branch of the government of South Korea), Seoul, South Korea.  
Developing and publishing a childcare program for 1-year-old toddlers

## PUBLICATIONS

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### Peer Reviewed Journals

- Jung, S. E., & Lee, K.** (2021). A girl's gendered engagement in designing and building robots. *International Journal of Technology and Design Education*, 1–20. <https://doi.org/10.1007/s10798-021-09705-2>
- Jung, S. E., & Lee, K.** (2020). Young child's dialogic appropriation of programmable robots. *British Journal of Educational Technology*. 52(1), 392-410. <https://doi.org/10.1111/bjet.13012>
- Jung, S. E. & Han, J.** (2020). A comprehensive review on r-Learning: Authentic r-Learning beyond the fad of new educational technology. *International Journal of Advanced Smart Convergence*. 9(2). 28-37. <https://doi.org/10.7236/IJASC.2020.9.2.28>
- Jung, S. E., Lee, K., Cherniak, S., & Cho, E.** (2019). The non-sequential learning in a Robotics class: Insights from the engagement of a child with autism spectrum disorder. *Technology, Knowledge, and Learning*. 25. 63-81. <https://doi.org/10.1007/s10758-018-9394-8>
- Cherniak, S., Lee, K., Cho, E., & **Jung, S. E.** (2019). Child-identified problems and their robotic solutions. *Journal of Early Childhood Research*. 17(4). 347-360. <https://doi.org/10.1177/1476718X19860557>
- Jung, S. E. & Won, E.** (2018). Systematic review of research trends in robotics education for young children. *Sustainability*, 10(4), 465-483. <https://doi.org/10.3390/su10040905>
- Jung, S. E. & Won, E.** (2018). Categorizing meaningful keywords in young children's robotics learning by meta-analysis. *International Journal of Advanced Science and Technology*. 115, 23-36. <http://dx.doi.org/10.14257/ijast.2018.115.03>
- Cho, E., Lee, K., Cherniak, S., & **Jung, S. E.** (2017). Heterogeneous associations of second-graders' learning in robotics class. *Technology, Knowledge, and Learning*, 22(3), 465-483. <https://doi.org/10.1007/s10758-017-9322-3>

### Book Chapters

- Jung, S. E.** (2011). Understanding What and How Your Kids Learn in the Kindergarten. In C. Park, M. Hyu, E. Cho, & S. Jung (Eds.), *65 Things Kindergarten Teachers Want Parents to Know*. Seoul, South Korea: Applebee Press.

## RESEARCH GRANTS

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2021 - 2022      *Principal Investigator*  
Story-based Early Childhood Robotics Education for Latinx Children and  
Preservice Early Childhood Teachers  
Research Innovation & Impact (RII) & Office of the Provost, University of  
Arizona  
Hispanic Serving Institution (HIS) Seed Grant Project  
Total Award: \$15,000

2020 - 2021      *Principal Investigator*  
Story-based Early Childhood Robotics Education (SECRE)  
The Stocker Foundation  
Total Award: \$50,000

## SCHOLARLY PRESENTATIONS

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### Referred Conferences Presentations

**Jung, S. E. & Lee, K.** (2022, April). *The indetermined nature of educational robots and young children's emergent science learning*. Paper under review at the American Education Research Association Conference. San Diego, California.

**Jung, S. E. & Lee, K.** (2021, October). *A girl's gendered engagement in robot designing and building*. Invited Paper presented at the 11<sup>th</sup> International Conference of Korean Society for Early Childhood Education (KSECE), Cheong-Ju, South Korea.

**Jung, S. E. & Lee, K.** (2021, April). *A girl's play with programmable robots as gendered engagement with educational technology*. Paper presented at the American Education Research Association Conference, Virtual Annual Meeting.

**Jung, S. E. & Lee, K.** (2020, April). *A young child's encounter with programmable robots as intra-active scientific investigation (Session: Technology and the Early Learner)*. Paper presented at the American Education Research Association Conference, San Francisco, California.  
[https://convention2.allacademic.com/one/aera/aera20/index.php?cmd=Online+Program+View+Event&selected\\_box\\_id=310975&PHPSESSID=hd47d5cj4jmdscd641mc6s235f](https://convention2.allacademic.com/one/aera/aera20/index.php?cmd=Online+Program+View+Event&selected_box_id=310975&PHPSESSID=hd47d5cj4jmdscd641mc6s235f)  
(Conference canceled)

**Jung, S. E. & Lee, K.** (2019, October). *Understanding a girl's designing and building of a robot as her dialogical appropriation for performing her gender*. Paper presented at the Reconceptualizing Early Childhood Education, Las Cruces, New Mexico.

- Jung, S. E.** & Lee, K. (2019, April). *A young child's dialogic appropriation of programmable robots*. Paper presented at the American Education Research Association Conference, Toronto, Canada.
- Jung, S. E.** & Lee, K. (2019, April). *A girl's gendered engagement in robot designing and building*. Paper presented at the American Education Research Association Conference, Toronto, Canada.
- Jung, S. E.** & Lee, K. (2019, April). *A child's intra-active hands-on inquiry with/about robotic manipulative*. Paper presented at the American Education Research Association Conference, Toronto, Canada.
- Jung, S. E.** (2018, April). *The dialogic engagement with programming robots as young children's material becoming*. Paper presented at the International Forum for Young Scholar of East China Normal University, Shanghai, China.
- Jung, S. E.** (2017, October). *Insights gained from young children's appropriation of robotic manipulatives*. Paper presented at the 25<sup>th</sup> International Reconceptualizing Early Childhood Education Conference, Toronto, Canada.
- Jung, S. E.**, Lee, K., Cherniak, S., & Cho, E. (2017, April). *Learning science and engineering practices in robotics class: A child's hybrid approaches*. Paper presented at the American Education Research Association Conference, San Antonio, TX.
- Cherniak, S., Lee, K., Cho, E., & **Jung, S. E.** (2017, April). *Problem identification in early childhood robotics class*. Paper presented at the American Education Research Association Conference, San Antonio, TX.
- Lee, K., Cherniak, S., Cho, E., & **Jung, S. E.** (2017, April). *Exploring early childhood robotics education for reconceptualizing and practicing the Mind-Body-Material Connection*. Paper presented at the American Education Research Association Conference, San Antonio, TX.
- Jung, S. E.** (2017, February). *When Bakhtin's dialogism meets new materialism: Insights gained from young children's appropriation of robotic manipulatives*. Paper presented at a Symposium of the University of Georgia, Pennsylvania State University, and the University of Texas at Austin, Athens, GA.
- Jung, S. E.**, Lee, K., Cherniak, S., & Cho, E. (2016, April). *Young children's embodied and non-linear learning processes in robotics classes*. Paper presented at the American Education Research Association Conference, Washington, DC.
- Cho, E., Lee, K., Cherniak, S., & **Jung, S. E.** (2016, April). *Heterogeneous associations of second graders' learning in robotics class*. Paper presented at the American Education Research Association Conference, Washington, DC.

Lee, K., Cho, E., & **Jung, S. E.** (2015, October). *Objects and children's bodies as actants: Theoretical and pedagogical possibilities of early childhood robotics education*. Paper presented at the 23<sup>rd</sup> International Reconceptualizing Early Childhood Education Conference, Dublin, Ireland.

Lee, K., Cho, E., & **Jung, S. E.** (2014, October). *What makes high quality teaching?* Paper presented at the 22<sup>nd</sup> Reconceptualizing Early Childhood Education Conference, Kent, Ohio.

Lee, K., Cho, E., & **Jung, S. E.** (2014, April). *Materials matter: Implications of early childhood robotics education for teacher education*. Paper presented at the College of Education Graduate Student & Faculty Research Conference, Athens, Georgia.

Lee, K., Cho, E., & **Jung, S. E.** (2014, May). *The body and materials in learning: Implications of a robotics summer camp for the education of diverse young children*. Paper presented at the Korean American Education Research Association Conference, Chicago, Illinois.

### **Invited Lectures & Seminars**

**Jung, S. E.** (2019, Spring). A girl's gendered engagement in robot designing and building. Invited lecture for the Community of Practice, Tucson, AZ.

**Jung, S. E.** (2017, Spring). Using video in qualitative research and connecting theories to video data. Invited lecture for the doctoral Seminar on Video Ethnography at the University of Georgia, Athens, AZ.

**Jung, S. E.** (2017, Spring). Schools and the education system of South Korea. Invited lecture for the undergraduate seminar on Getting Schooled: An International Wide-Angle View at the University of Georgia, Athens, AZ.

**Jung, S. E.** (2016, Fall). Overview and research trends in robotics education for young children. Invited lecture for the doctoral seminar on Research of Science Education for Young Children at Chung-Ang University, Seoul, South Korea.

**Jung, S. E.** (2016, Spring). Using video methods to collect, analyze and present data in qualitative research. Invited lecture for the doctoral seminar on Foundation Research of Social Work at the University of Georgia, Athens, AZ.

**Jung, S. E.** (2016, Spring). Project-based approaches for young children. Invited lecture for the undergraduate course on Principles and Practice in Early Childhood Education at the University of Georgia, Athens, AZ.

## **AWARDS**

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|-------------|---|
| 2017        | Outstanding Teaching Award<br>University of Georgia, Athens, GA.                    |
| 2006 - 2007 | Graduate School of Education Fellowship<br>Chung-Ang University, Seoul, South Korea |

## **SERVICE**

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### **Editorial Board Member**

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|----------------|---|
| 2022 - Present | International Journal of Early Childhood Education (IJECE)<br>The Korean Society of Early Childhood Education |
| 2021 - Present | Early Childhood Education Research & Review<br>The Korean Society for Early Childhood Teacher Education       |
| 2006 - 2007    | Korean Early Childhood Education Association (KRECE)  |

### **Adhoc Peer Reviewer**

Journal of the ACM Transactions on Computing Education  
Journal of SAGE Open  
Journal of Transactions on Computing Education  
Journal of Technology, Knowledge, and Learning  
Journal of Media Study  
International Journal of Technology and Design Education

### **Conference Reviewer**

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|------|---|
| 2022 | American Educational Research Association<br>(SIG: Design and Technology)                         |
| 2021 | American Educational Research Association<br>(Division C-1e: Engineering and Computing Education) |
| 2020 | American Educational Research Association<br>(SIG: Design and Technology)                         |

## **College & Department Service**

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|----------------|---|
| 2020 - Present | Member, Early Childhood Education Program Revision Committee, Department of Teaching, Learning, & Sociocultural Studies, University of Arizona  |
| 2018 - 2021    | Member, Diversity Committee of the College of Education, University of Arizona  |
| 2019 - 2020    | Co- Chair, Search Committee (Open Ranked Professor of Practice and Director of Early Childhood Education), Department of Teaching, Learning, & Sociocultural Studies, University of Arizona |
| 2019           | Member, Annual Review Committee, Department of Teaching, Learning, & Sociocultural Studies, University of Arizona   |
| 2019           | Member, Search Committee (Open Ranked Professor of Practice and Director of Early Childhood Education), Department of Teaching, Learning, & Sociocultural Studies, University of Arizona    |
| 2017 - 2018    | Vice President, Educational Theory and Practice Graduate Student Organization, The University of Georgia  |

## **PROFESSIONAL LICENSES**

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Certificate in Interdisciplinary Qualitative Studies (Issued by the University of Georgia)  
Kindergarten Teacher Certification (Issued by the South Korean Ministry of Education)  
Preschool Teacher Certification (Issued by the South Korean Ministry of Gender Equality and Family)

## **PROFESSIONAL MEMBERSHIP**

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American Education Research Association (AERA)  
National Association for the Education of Young Children (NAEYC)  
Southern Arizona Association for the Education of Young Children (SAZAEYC)