

# JooYoung Seo

RSTUDIO INTERN FOR SUMMER 2020; PH.D. CANDIDATE (ABD)

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*I am a learning scientist, software engineer, and internationally-certified accessibility professional.*

## Education

### The Pennsylvania State University

PH.D. IN LEARNING, DESIGN, AND TECHNOLOGY

University Park, PA

Aug. 2016 - Present

- Expected graduation: May 2021.
- Dissertation Title: "Discovering Informal Learning Cultures of Blind Individuals Pursuing STEM Disciplines: A Quantitative Ethnography Using Public Listserv Archives."
- Committee members: Drs. Gabriela T. Richard (adviser; dissertation chair), Roy B. Clariana, ChanMin Kim, and Mary Beth Rosson.

### The Pennsylvania State University

M.ED. IN LEARNING, DESIGN, AND TECHNOLOGY

University Park, PA

Aug. 2014 - May. 2016

- GPA 3.97/4.0.

### Sungkyunkwan University

B.A. IN EDUCATION

Seoul, South Korea

Mar. 2009 - Feb. 2014

- GPA 4.08/4.50.

### Sungkyunkwan University

B.A. IN ENGLISH LITERATURE

Seoul, South Korea

Mar. 2009 - Feb. 2014

- GPA 4.08/4.50.

## Working Experience

### RStudio

SUMMER INTERN

Redmond, WA

May. 2020 - Aug. 2020

### ICE Soft

CO-FOUNDER AND PROJECT MANAGER

Seoul, South Korea

Jul. 2010 - Jun. 2011

### National Human Rights Commission of Korea

INTERN

Seoul, South Korea

May. 2010 - Nov. 2010

## Research Experience

### IT Accessibility Team, Teaching and Learning with Technology (TLT)

GRADUATE ASSISTANT

University Park, PA

Aug. 2016 - Present

### Playful Learning and Inclusive Design Research Group

GRADUATE RESEARCHER

University Park, PA

Aug. 2016 - Present

### Online Interactions of the Blind Research Project

PRINCIPAL INVESTIGATOR

University Park, PA

May. 2019 - Present

### Accessible RMarkdown Online Writer (AROW) Project, Teaching and Learning with Technology (TLT)

PROJECT MANAGER

University Park, PA

May. 2018 - Present

### Accessibility of Maker Toolkits Research Project

PRINCIPAL INVESTIGATOR

University Park, PA

Jun. 2017 - Present

## Publications

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### REFEREED JOURNAL PAPERS

- Seo, J.** (2019). Is the maker movement inclusive of ANYONE?: Three accessibility considerations to invite blind makers to the making world. *TechTrends*, 63(5), 514–520. <https://doi.org/10.1007/s11528-019-00377-3>
- Seo, J., & McCurry, S.** (2019). LaTeX is not easy: Creating accessible scientific documents with r markdown. *Journal on Technology and Persons with Disabilities*, 7, 157–171.

### PAPERS IN REFEREED CONFERENCE PROCEEDINGS

- Seo, J., & Richard, G. T.** (in press-). Coding through touch: Exploring and re-designing tactile making activities with learners with visual dis/abilities. In M. Gresalfi & I. Horn (Eds.), *Interdisciplinarity in the learning sciences, 14th international conference of the learning sciences (icls) 2020*. International Society of the Learning Sciences (ISLS).
- Seo, J.** (2018). Accessibility and inclusivity in making: Engaging learners with all abilities in making activities. In *Proceedings of the 3rd learning sciences graduate student conference* (pp. 141–142). LSGSC Planning Team.
- Seo, J., & Richard, G. T.** (2018). Accessibility, making and tactile robotics: Facilitating collaborative learning and computational thinking for learners with visual impairments. In J. Kay & R. Luckin (Eds.), *Rethinking learning in the digital age: Making the learning sciences count, 13th international conference of the learning sciences (icls) 2018* (Vol. 3, pp. 1755–1757). International Society of the Learning Sciences (ISLS).
- Konecki, M., Lovrenčić, S., **Seo, J.**, & LaPierre, C. (2017). The role of ict in aiding visually impaired students and professionals. *Proceedings of the 11th Multidisciplinary Academic Conference*, 148.
- Seo, J.**, AlQahtani, M., Ouyang, X., & Borge, M. (2017). Embracing learners with visual impairments in cscl. In B. K. Smith, M. Borge, E. Mercier, & K. Y. Lim (Eds.), *Making a difference: Prioritizing equity and access in cscl, 12th international conference on computer supported collaborative learning (cscl) 2017* (Vol. 2). International Society of the Learning Sciences (ISLS).
- Seo, J.** (2019). Discovering informal learning cultures of blind individuals pursuing stem disciplines: A quantitative ethnography using listserv archives. *The First International Conference on Quantitative Ethnography: Doctoral Consortium*, S66–S67.

## Presentations

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### PEER-REVIEWED CONFERENCE PRESENTATIONS

- Seo, J., & Richard, G. T.** (2020, April). *Maker inclusivity = maker accessibility: further interrogations for diverse participation*. Poster will be presented at the annual meeting of the American Educational Research Association (AERA), San Francisco, CA.
- Seo, J., & Richard, G. T.** (2018, April). *Furthering inclusivity in making: a framework for accessible design of makerspaces for learners with disabilities*. Poster presented at the annual meeting of the American Educational Research Association (AERA), New York City, NY.
- Seo, J.** (2017, September). *Tactile access to visualized statistical data using R*. Poster presented at the annual meeting of the ACM Richard Tapia Celebration of Diversity in Computing, Atlanta, GA.
- Seo, J.** (2016, March). *Engaging blind learners in statistics study using R*. Presented at the annual meeting of the Teaching and Learning with Technology (TLT) Symposium, University Park, PA.
- Seo, J.** (2015, November). *Assistive technologies for equal access in general education*. Presented at the annual meeting of the Association for Educational Communications and Technology (AECT), Indianapolis, IN.