

# Sohyeon Park

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## Education

† *Indicates expected*

2022–2027 † Ph.D., Informatics, University of California, Irvine

Advisor: Dr. Gillian Hayes

2016–2021 B.Sc., Computer Science and Engineering, Ewha Womans University

## Publications

† *Indicates both authors contributed equally*

## Conferences

- [1] *[Work in Progress]* **Sohyeon Park**, Aehong Min, & Gillian R. Hayes (2024). Exploring the Pixelated Spectrum: Unveiling the Gaming Preferences of Autistic People. For *Proceedings of the 26th International ACM SIGACCESS Conference on Computers and Accessibility (ASSETS '24)*
- [2] *[Under Review]* Emani Dotch, **Sohyeon Park**, Avery Mavrovounioti, Weijie Du, Aehong Min, & Gillian R. Hayes (2024). From Awareness to Action: Integrating Sensory Needs into Design Processes. In *Proceedings of the 2024 ACM Designing Interactive Systems Conference (DIS '24)*
- [3] Cameron Tyler Cassidy, Isabella Figueira, **Sohyeon Park**, Jin Seo Kim, Emory Edwards James & Stacy Marie Branham (2024). Cuddling Up With a Print-Braille Book: How Intimacy and Access Shape Parents' Reading Practices with Children. In *2024 CHI Conference on Human Factors in Computing Systems (CHI '24)* [\[pdf\]](#)
- [4] **Sohyeon Park**, Cameron Tyler Cassidy, & Stacy M. Branham (2023). "It's All About the Pictures:" Understanding How Parents/Guardians With Visual Impairments Co-Read With Their Child(ren). In *Proceedings of the 25th International ACM SIGACCESS Conference on Computers and Accessibility (ASSETS '23)* [\[pdf\]](#)
- [5] Kyungyeon Lee†, **Sohyeon Park**†, & Uran Oh (2021). Designing Product Descriptions for Supporting Independent Grocery Shopping of People with Visual Impairments. In *Extended Abstracts of the 2021 CHI Conference on Human Factors in Computing Systems (CHI '21 Extended Abstracts)* [\[pdf\]](#) [\[presentation video\]](#)

- [6] Soobin Park<sup>†</sup>, SeungA Chung<sup>†</sup>, **Sohyeon Park**, Kyungyeon Lee, & Uran Oh (2021). Improving Mealtime Experiences of People with Visual Impairments. In *Proceedings of the 18th International Web for All Conference* [**“Best Technical Paper” Nomination**] [\[pdf\]](#)
- [7] SeungA Chung, Kyungyeon Lee, **Sohyeon Park**, & Uran Oh (2021). Three-dimensional Nonvisual Directional Guidance for People with Visual Impairments. In *2021 IEEE International Conference on Pervasive Computing and Communications Workshops and other Affiliated Events (PerCom Workshops)* [\[pdf\]](#)

## Journals

- [1] **Sohyeon Park**, Kyulee Kim, & Uran Oh (2022) Understanding the User Preferences in the Types of Video Censorship. In *International Journal of Internet, Broadcasting and Communication*, 14(2), 147-161. [\[pdf\]](#)

## Research Positions

**Graduate Student Researcher**, STAR lab Apr 2023 - Present  
*Advised by Dr. Gillian Hayes*

- Currently leading a project on understanding the perceptions and interactions of various populations regarding generative AI through a nationwide survey and interviews.
- Currently leading a project on the use/effects/challenges of technologies among neurodivergent populations. (*e.g.*, Understanding the problems of large language models in Accessibility, Understanding autistic individuals' behaviors in virtual reality-based games)

**Graduate Student Researcher**, INSITE lab Sep 2022 - Mar 2023  
*Advised by Dr. Stacy Branham*

- Led a project that utilizes qualitative analyses, such as interviews, to understand the methods blind parents adapt to read books with their sighted children.

**Research Assistant**, Ewha Human-Computer Interaction Lab Jun 2020 - Aug 2022  
*Advised by Dr. Uran Oh*

- Conducted research in human-computer interaction, accessibility, and extended reality (XR) in order to improve the assistance for marginalized people and improve the application of XR. This includes application areas in aiding visually impaired individuals, search behavior in virtual environments, and education.

## Work Experience

**AI Research Intern**, Medicisoft Mar 2020 - Aug 2020

- Designed and implemented a prediction model to predict the number of people from foreign countries that will be diagnosed with COVID-19.
- Developed and tested an AI recommendation system for suggesting personalized education modules in online math education platforms for the Ministry of Education in South Korea.

**QA Intern, Ahnlab**

Aug 2018 - Feb 2019

- Performed quality assurance testing on multiple operating systems such as Windows, Linux, and Unix before introducing the new version of V3 products.
- Participated in developing a QA automation system using Python.

## Teaching Experience

CS10556 Fourth Industrial Revolution and Creative Convergence  
*Ewha Womans University*

Mar 2021 - Jun 2021

## Honours and Awards

<b>Information &amp; Computer Sciences Dean's Recruitment Award</b>	2022
<b>Kiho Lee Scholarship (Academic Excellence Scholarship)</b>	2021
<b>Outstanding Ewha Scientist Scholarship</b>	2021
<b>Future Capability Development Scholarship</b>	2020
<b>Student Independent Research Competition 2nd Prize</b>	2020
<b>Student Research Grant</b>	2020
<b>Dean's List, Ewha Womans University</b>	2017-2019

## Service

<b>Student Volunteer, ACM SIGACCESS Conference on Computers and Accessibility</b>	Oct 2021
<b>Student Volunteer, ACM Interactive Surfaces and Spaces Conference</b>	Nov 2020

## Skills

**Research** Social Media Analysis, Interview, Survey, Qualitative Analysis, Quantitative Analysis

**Technical** Unity, Pytorch, Tensorflow, JAVA, Python, HTML, CSS, Javascript, React Native