HyeonBeom Yi

UX/UI Design based HCI Researcher

Google Scholar	HyeonBeom Yi
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Up-to-date version of CV is available at
https://roetry.github.io/my_cv

I am a Human-Computer Interaction (HCI) researcher with a focus on User Experience and User Interface (UX/UI) design. I earned my Ph.D. and M.S. degrees from the Department of Industrial Design at KAIST under the guidance of Prof. Woohun Lee. My research primarily revolves around the design of XR (Extended Reality) experiences in targeted contexts. I bring expertise in designing VR game controllers, curating exhibitions using XR technologies, and creating digital augmentations for children's play. These experiences have honed my skills in crafting innovative intersections between the virtual and physical realms. In addition, my recent endeavors include research on leveraging AI technologies to enhance accessibility. I am actively involved in exploring ways to improve UX/UI through the application of cutting-edge AI techniques.

Professional Experience

2023.09 - Current
Post-doctoral Researcher at Electronics and Telecommunications Research Institute (ETRI)
UX/UI Oriented HCI Research

2023.03 - 2023.08
Post-doctoral Researcher at Department of Industrial Design, KAIST
UX/UI Oriented HCI Research

Education

2018.02 - 2023.03
Ph.D. in Human-Computer Interaction at Department of Industrial Design, KAIST
UX/UI Oriented HCI Research

2016.02 - 2018.02
M.S. in Human-Computer Interaction at Department of Industrial Design, KAIST
UX/UI Oriented HCI Research

2012.02 - 2016.02
B.S. in Department of Industrial Design, KAIST
UX/UI Oriented HCI Research

Awards

iF Design Award 2023
WonderScope: XR Device for Museum Visiting

KAIST College of Engineering Ph.D. Dissertation Award 2023
Designing Near-surface AR Interaction for Enhancing Museum Visitor Experience

ACM SIGGRAPH 2022 Honorable Mention Award
Emerging Technology
WonderScope: Practical Near-surface AR Device for Museum Exhibits

ACM DIS 2020 Honorable Mention Award

SoundWear: Effect of Non-speech Sound Augmentation on the Outdoor Play Experience of Children

ACM SIGCHI 2018 Honorable Mention Award

HapCube: A Wearable Tactile Device to Provide Tangential and Normal Pseudo-Force Feedback on a Fingertip

Projects

Project Manager, Contents Developer

UX Researcher / Consigned Research with ETRI