YoungIn Kim (김영인)

Ph.D. student at KAIST HCI Lab (Prof. Geehyuk Lee), S.Korea, Daejeon
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Research Area: HCI, AR/VR, Haptics, input Devices, Cognitive Science

PUBLICATIONS

ConCon: A Wrist-Worn Clutch-Coupled Force-Feedback Device for VR Controller
(**Y. Kim**, G. Lee) - **CHI'26 (Accepted)**

StringTouch: A Non-occlusive 3DoF Haptic Interface Using String Structures for Modulating Finger Sensations
(**Y. Kim**, J. Yim, Y. Yun, D. Ko, G. Lee) - **UIST'25**

Tension&Gaze: Gaze-Responsive UI Gated by Finger Tension
(T. Kim, L. Sidenmark, P. Abtahi, J. Yim, **Y. Kim**, G. Lee) - **UIST'25 Adjunct**

Over the Mouse: Navigating across the GUI with Finger-Lifting Operation Mouse
(**Y. Kim**, Y. Yun, T. Kim, G. Lee) - **CHI'25**

Effects of Waveform, Time Delay, and Vibration Axis on the Perception of Vibrotactile Compliance Illusions on Smartphone Touchscreens
(J. Han, **Y. Kim**, J. Jung, K. Park, G. Lee) - **IJHCI**

QuadStretcher: A Forearm-Worn Skin Stretch Display for Bare-Hand Interaction in AR/VR
(T. Kim, YA. Sim, **Y. Kim**, S. Kim, J. Lee, G. Lee) - **CHI'24**

Pressure-Based Menu Selection on a Spherical Tangible Device
(S. Kim, **Y. Kim**, G. Lee) - **CHI'24 EA**

GaitWay: Gait Data-Based VR Locomotion Prediction System Robust to Visual Distraction
(**Y. Kim**, S. Hwang, S. Kim) - **CHI'24 EA**

Electrical, Vibrational, and Cooling Stimuli-Based Redirected Walking: Comparison of Various Vestibular Stimulation-Based Redirected Walking Systems
(S. Hwang, J. Lee, **Y. Kim**, Y. Seo, S. Kim) - **CHI'23**

Enhancing Seamless Walking in Virtual Reality: The Application of Bone Conduction Vibration in Redirected Walking
(S. Hwang, **Y. Kim**, Y. Seo, S. Kim) - **ISMAR 2023 (Honorable Mention)**

REVES: Redirection Enhancement Using Four-Pole Vestibular Electrode Stimulation
 (S. Hwang, J. Lee, **Y. Kim**, S. Kim) - **CHI'22 EA**

EXPERIENCES

Human-Centered Intelligent Systems Lab. (GIST)- *Intern*
2021. 7 - 2023.12
- Participate in Car XR Projects (RAPA), developing SR and VR Contents (Unity, Meta quest)

HCI Lab. (KAIST)- *Intern*
2023. 6 - 2023.8

Teaching Assistant (GIST)
2022. Spring - Object Oriented Programming (GS2206)

2022. Fall - Computer Programming (GS1401)

2023. Spring - Object Oriented Programming (GS2206)

2023. Fall - System Programming (EC3215)

Teaching Assistant (KAIST)
2024. Spring - System Programming (CS300)

2025. Fall - Human Computer Interaction (CS584) - Best TA of the semester

EDUCATION

Korea Advanced Institute of Science and Technology (KAIST), Republic of Korea - Advisor: Geehyuk Lee
M.S. (2026)
- Major in School of Computing (SoC, KAIST)

Gwangju Institute of Science and Technology (GIST), Republic of Korea

B.S. (2024)

- Major in Electrical Engineering and Computer Science (EECS)

University of California Berkeley, United States of America

Summer Session 2022

Coursera Certificates

Extended Reality for Everybody

- Developing AR/VR/MR/XR Apps with WebXR, Unity & Unreal
- User Experience & Interaction Design for AR/VR/MR/XR

AWARDS & SCHOLARSHIP

2020.12 ~ 2021.12 - GIST Scholarship for Academic Excellence

2022.3 ~ 2023.12 - National Science & Technology Scholarship

2022 Summer - GIST Scholarship for Summer Session (UC Berkeley)

2025 Fall - KAIST Outstanding Master Thesis Award

TECHNICAL STRENGTH

Programming Experience

Unity (C#) / C / C++ / Python / SQL / Java

Extra Tools

Photoshop / Final Cut / Fusion 360 / JASP / SPSS / Optitrack Motive / Autodesk EAGLE / Solidworks / Arduino IDE /