

Taejun Kim

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| CONTACT | Ph.D. Candidate School of Computing, KAIST <i>Email:</i> taejun.kim@kaist.ac.kr <i>URL:</i> https://taejun20.github.io | Kim Byung Ho IT Building (N1) #722 KAIST, 291 Daehak-ro, Yuseong-gu Daejeon 34141, Republic of Korea |
| RESEARCH INTERESTS | My curiosity lies in discovering the maximum potential of using our eyes for computer input, "How well can we use our eyes?", which led me to research the opportunities and challenges of incorporating gaze for human-computer interaction. Aside from my primary interest, I also have a fascination with Haptics. | |
| PUBLICATIONS | International Conference Papers <ol style="list-style-type: none">1. Lattice Menu: A Low-Error Gaze-Based Marking Menu Utilizing Target-Assisted Gaze Gestures on a Lattice of Visual Anchors Taejun Kim, Auejin Ham, Sunggeun Ahn, Geehyuk Lee CHI 2022: ACM Conference on Human Factors in Computing Systems2. QuadStretch: A Forearm-wearable Multi-dimensional Skin Stretch Display for Immersive VR Haptic Feedback Youngbo Aram Shim, Taejun Kim, Geehyuk Lee CHI 2022 EA (Demonstration): ACM Conference on Human Factors in Computing Systems3. Heterogeneous Stroke: Using Unique Vibration Cues to Improve the Wrist-Worn Spatiotemporal Tactile Display Taejun Kim, Youngbo Aram Shim, Geehyuk Lee CHI 2021: ACM Conference on Human Factors in Computing Systems International Journal Papers <ol style="list-style-type: none">1. WristMenu with Tactons: An Eyes- and Ears-free Menu with Tactons Describing Menu Items in the Wrist Rotation Space Eunhye Youn, Taejun Kim, Geehyuk Lee IJHCI 2022: International Journal of Human-Computer Interaction (Impact Factor: 3.353) | |
| PROFESSIONAL EXPERIENCE | Meta Reality Labs, Toronto, Canada Ph.D. Research Intern | JUN. 2022 – DEC. 2022 |
| | Bhaptics Frontend coder - Web interface development, service page renewal | DEC. 2015 – FEB. 2016 |
| AWARDS | CHI '22 Best Demo Award , ACM Conference on Human Factors in Computing Systems Demonstrating "QuadStretch: A Forearm-wearable Multi-dimensional Skin Stretch Display for Immersive VR Haptic Feedback" | MAY. 2022 |
| | Outstanding Master's Thesis Award , KAIST School of Computing Thesis Title: "Improving Recognition Accuracy of Wrist-Worn Spatiotemporal Tactile Display using Heterogeneous Vibrotactile Stimuli" | FAB. 2021 |
| EDUCATION | Korea Advanced Institute of Science and Technology (KAIST) Ph.D. Candidate in Computer Science <i>Advisor:</i> Geehyuk Lee, Ph.D. | Daejeon, Korea SEP. 2020 – Present |
| | Korea Advanced Institute of Science and Technology (KAIST) M.S. in Computer Science | Daejeon, Korea 2020 |

Thesis: “Improving Recognition Accuracy of Wrist-Worn Spatiotemporal Tactile Display using Heterogeneous Vibrotactile Stimuli”
Advisor: Geehyuk Lee, Ph.D.

Korea Advanced Institute of Science and Technology (KAIST)
 B.S. in Computer Science

Daejeon, Korea
 2018

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| INVITED TALKS | Interface Control with Eye Movement High-Beams seminar series, University College London | MAR. 2023 |
| | Interface Control with Eye Movement Stanford HCI Lunch, Stanford University | NOV. 2022 |
| | Interface Control with Eye Movement DGP Lab, University of Toronto | NOV. 2022 |
| ACADEMIC SERVICE | Reviewer WHC: IEEE World Haptics Conference | 2023 |
| | INTERACT: IFIP International Conference on Human-Computer Interaction | |
| | ETRA: ACM Symposium on Eye Tracking Research & Application | |
| TEACHING | Guest Lecturer Lecture on SPSS & R practice, CS584, KAIST | OCT. 2021 |
| | Teaching Assistant CS492 Wearable User Interface, KAIST | Spring 2023 |
| | CS584 Human-Computer Interaction, KAIST | Fall 2021 |
| | CS550 Software Engineering, KAIST | Spring 2021 |
| | CS300 Introduction to Algorithms, KAIST | Fall 2020 |
| | CS204 Discrete Mathematics, KAIST | Spring 2019 |
| | CS230 System Programming, KAIST | Spring 2018 |
| | CS101 Introduction to Programming, KAIST | Fall 2017 |
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