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EDUCATION	<b>M.S./Ph.D. Student</b> , School of Integrated Technology, College of Engineering <b>Yonsei University</b> , Korea 2015 - present <b>B.S.</b> , School of Integrated Technology, College of Engineering <b>Yonsei University</b> , Korea 2015 Highest GPA in the graduation class of 2015 in the School of Integrated Technology	
INTERNATIONAL PUBLICATIONS	<b>H.-S. Moon</b> and J. Seo, "Dynamic difficulty adjustment via fast user adaptation," <i>The Adjunct Publication of the 33rd Annual ACM Symposium on User Interface Software and Technology (UIST '20 Adjunct)</i> , accepted. <b>H.-S. Moon</b> and J. Seo, "Prediction of human trajectory following a haptic robotic guide using recurrent neural networks," In <i>2019 IEEE World Haptics Conference (WHC)</i> , 157–162, 2019. <b>H.-S. Moon</b> and J. Seo, "Observation of human response to a robotic guide using a variational autoencoder," In <i>2019 Third IEEE International Conference on Robotic Computing (IRC)</i> , 258–261, 2019. <b>H.-S. Moon</b> , W. Kim, S. Han, and J. Seo, "Observation of human trajectory in response to haptic feedback from mobile robot," In <i>2018 18th International Conference on Control, Automation and Systems (ICCAS)</i> , 1530–1534, 2018. J. Lee, Y. J. Morton, J. Lee, <b>H.-S. Moon</b> , and J. Seo, "Monitoring and mitigation of ionospheric anomalies for GNSS-based safety critical systems: A review of up-to-date signal processing techniques," <i>IEEE Signal Processing Magazine</i> , 34(5), 96–110, 2017. <b>H.-S. Moon</b> and J. Seo, "Effect of local-adaptive haptic guidance on a path-following task," In <i>2017 17th International Conference on Control, Automation and Systems (ICCAS)</i> , 1276–1280, 2017. <b>H.-S. Moon</b> , J. Baek, and J. Seo, "Effect of redundant haptic information on task performance during visuo-tactile task interruption and recovery," <i>Frontiers in Psychology</i> , 7, 1924, 2016. <b>H.-S. Moon</b> and D. Y. Ju, "Adaptive UI from human behavior pattern on small screen interface: Focused on double-swipe interface," In <i>International Conference on Human-Computer Interaction (HCII)</i> , 39–44, 2015.	
DOMESTIC PUBLICATIONS	<b>H.-S. Moon</b> and J. Seo, "Observation of pedestrian trajectory according to the speed of mobile robot contacting and guiding the pedestrian," In <i>2018 Korea Navigation Institute (KONI) Conference</i> , 2018. S. Han, <b>H.-S. Moon</b> , and J. Seo, "Development of human following mobile robot utilizing haptic signals," In <i>2018 Korea Navigation Institute (KONI) Conference</i> , 2018. <b>H.-S. Moon</b> and J. Seo, "Software development to generate haptic guidance on a path-following task," In <i>2017 Korea Navigation Institute (KONI) Conference</i> , 2017. M. Gil, D. Kim, Y. Na, H. Park, <b>H.-S. Moon</b> , and J. Seo, "Implementation of A-star algorithm using mobile robot platform and ultrasonic sensors," In <i>2017 Korea Navigation Institute (KONI) Conference</i> , 2017.	

	<p><b>H.-S. Moon</b> and J. Seo, “Relationship between interruption period and resumption cost during task interruption specialized in haptic sensory,” In <i>Summer Annual Conference of Institute of Electronics and Information Engineers (IEIE)</i>, 1893–1895, 2016.</p> <p><b>H.-S. Moon</b> and D. Y. Ju, “Suggestion for adaptive UI with analysis of gesture error pattern,” In <i>Proceedings of HCI KOREA 2015</i>, 21–23, 2014.</p> <p><b>H.-S. Moon</b> and D. Y. Ju, “Adaptive user interface with personalizing gesture on the mobile device,” In <i>2014 Korea Society of Design Science (KSDS) Spring Conference</i>, 80–81, 2014.</p>
PREPRINTS	<p><b>H.-S. Moon</b> and J. Seo, “Sample-efficient training of robotic guide using human path prediction network,” <i>arXiv preprint arXiv:2008.05054</i>, 2020.</p>
PATENTS	<p><b>H.-S. Moon</b> and J. Seo, Apparatus and method for predicting walking paths using of user moving along a robot guide, 10-2020-0015720, Filed on 10 February 2020, Korea.</p>
EXPERIENCE	<p><b>Research Assistant</b>, Intelligent Unmanned Systems Laboratory (Prof. Jiwon Seo) Yonsei University 2015 - present</p> <ul style="list-style-type: none"> <li>Implemented experiment to determine effect of haptic feedback in multitasking process</li> <li>Developed robotic guide system assisting blind people to walk along the path</li> <li>Developing deep learning-based haptic guidance assisting users in performing tasks</li> </ul> <p><b>Teaching Assistant</b>, IIT4312 Mechatronics Project (Prof. Jiwon Seo) Yonsei University Spring 2018</p> <ul style="list-style-type: none"> <li>Helped undergraduate students for their class projects about robot control and artificial intelligence</li> </ul> <p><b>Teaching Assistant</b>, IIT4312 Mechatronics Project (Prof. Jiwon Seo) Yonsei University Spring 2017</p> <ul style="list-style-type: none"> <li>Helped undergraduate students for their class projects about robot control and artificial intelligence</li> </ul> <p><b>Teaching Assistant</b>, IIT1301 Cognitive Science (Prof. Jongsoo Baek) Yonsei University Spring 2016</p> <ul style="list-style-type: none"> <li>Helped undergraduate students for their assignments about cognitive science</li> </ul> <p><b>UX Designer</b>, Samsung Design Membership (22nd) 2014 - 2016</p> <ul style="list-style-type: none"> <li>Participated in design research projects and industrial activities with the support of Samsung Electronics</li> </ul>
AWARDS AND HONORS	<p>Graduate fellowship for 4 years from the ICT Consilience Creative Program supported by the Ministry of Science and ICT, Korea 2015 - 2018</p> <p>Undergraduate fellowship for 3 years from the ICT Consilience Creative Program supported by the Ministry of Science and ICT, Korea 2012 - 2014</p>