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EDUCATION

Korea Advanced Institute of Science and Technology (KAIST) MA.& Ph.D. of Engineering Industrial Design • Embodied Design Toolkit for VR/AR • Interactive Human Bodies in Design Tools	Mar. 2015 – Feb 2020 Daejeon, South Korea
TU Delft M.A. Exchange Program Department of Design Engineering	Sep. 2014 – Feb 2015 Delft, Netherlands
Aalto University Undergraduate Exchange Program School of Science	Jan. 2012 – Aug 2012 Helsinki, Finland
Korea Advanced Institute of Science and Technology (KAIST) Bachelor of Engineering Industrial Design & Technology Management	Feb. 2009 – Feb 2014 Daejeon, South Korea
Work Experience	
 Autodesk Research Simulation, Optimization, and Systems Group Industrial Postdoctoral Fellow Human-centered simulation-driven design tools Virtual humans with agency for digital design tools Human-centered generative Design, Data-driven Design 	Mar. 2020 – current Toronto, Canada
 Autodesk Research Complex Systems Group Research Intern Computer vision approach for human-building interactions Skeletonized ethnography tool 	Nov. 2018 – Aug. 2019 Toronto, Canada
Honors and Awards	
CSCW Best Paper Award ACM HumComput. Interact. Computer Supported Cooperative Work and Social C	2020 Computing.
CSCW Honorable Mention Award ACM HumComput. Interact. Computer Supported Cooperative Work and Social C	2019 Computing.
Gender Equality Pictogram Bronze Award hosted by Choongchung City, Korea	2014
Location-Based Service (LBS) Web & Application Contest hosted by Korea Communication and Commissions organized by Korea Internet &	2013 Security Agency
Innoplolis Idea Contest Grand Prize hosted by Ministry of Knowledge Economy of Korea	2013
PATENTS	
Furniture Design Apparatus Displaying Personalized Guide Information Invention field: ICT/SW, KR-10-2018-0002957	Jan 2018

Bokyung Lee, Michael Lee, Pan Zhang, Alexander Tessier, Daniel Saakes, Azam Khan., Socio-Spatial Comfort: Using Vision-based Analysis to Inform User-Centred Human-Building Interactions, Proc. ACM HumComput. Interact. 4, CSCW3, Article 238 (December 2020), 33 pages.	2020
Jaeho Sung, Bokyung Lee, Daniel Saakes, PoseScape: Pose-based Analysis System for Long-term Observation Studies , ACM <i>NordiCHI</i> 2020 poster	
Bokyung Lee, Michael Lee, Pan Zhang, Alexander Tessier, Azam Khan., An Empirical Study of How Socio-Spatial Formations are influenced by Interior Elements and Displays in an Office Context. Proc. ACM HumComput. Interact. 3, <i>CSCW</i> , Article 58.	2019
Bokyung Lee, Michael Lee, Alexander Tessier, Azam Khan., Skeletonographer: Skeleton-based Digital Ethnography Tool, ACM <i>CSCW</i> 2019 demo	
Alexander Tessier, Simon Breslav, Kean Walmsley, Michael Lee, Hali Larsen, Jacky Bibliowicz, Pan Zhang, Liviu-Mihai Calin, Bokyung Lee, Josh Cameron, Rhys Goldstein, and Azam Khan., Occupancy Visualization towards Activity Recognition, ACM DFSH 2019	
Bokyung Lee, Michael Lee, Alexander Tessier, Azam Khan., Semantic Human Activity Annotation Tool Using Skeletonized Surveillance Videos, ACM <i>Ubicomp</i> 2019 demo	
Bokyung Lee, Taeil Jin, Sung-Hee Lee, Daniel Saakes., SmartManikin: Virtual Humans with Agency for Design Tools , ACM <i>CHI</i> 2019 full paper	
Bokyung Lee, Sindy Wu, Maria Reyes, Daniel Saakes., The Effect of Interruption Timings on Autonomous Height-Adjustable Desks that Responds to Task Changes , ACM <i>CHI 2019</i> full paper	
Bokyung Lee, Joongi Shin, Hyoshin Bae, Daniel Saakes., Interactive and Situated Guidelines to Help Users Design a Personal Desk that Fits Their Bodies, ACM <i>DIS</i> 2018 full paper	2018
Bokyung Lee, Jiwoo Hong, Jaeheung Surh, Daniel Saakes., Ori-mandu: Korean Dumpling into Whatever Shape You Want, ACM <i>DIS 2017</i> full paper (pictorial)	2017
Bokyung Lee, Gyeol Han, Jundong Park, Daniel Saakes., Consumer to Creator: How Households Buy Furniture to Inform Design and Fabrication Interfaces., ACM <i>CHI 2017</i> full paper	
Bokyung Lee, Jiwoo Hong, Jaeheung Surh, Daniel Saakes., Ori-mandu: Korean Dumpling into Whatever Shape You Want, ACM <i>CHI</i> 2017 video showcase	
Jundong Park, <u>Bokyung Lee</u> , Gyeol Han, Daniel Saakes., Two Mental Models of Non-Professional Design Process for Future Fabrication Interface. , <i>HCI Korea</i> 2017 full paper	
Bokyung Lee, Minjoo Cho, Daniel Saakes., Posing and Acting as Input for Personalizing Furniture , ACM <i>NordiCHI</i> 2016 full paper	2016
SeungRyoel Kim, <u>Bokyung Lee</u> , Daniel Saakes., Gesture-based Trafficator to Improve Driver to Traffic Communication. , <i>KSDS</i> 2016 Fall 2016 paper	
Foong-Yi Chia, <u>Bokyung Lee</u> , Daniel Saakes., Collaboration in the Living Room or How Couples Design Together , ACM <i>NordiCHI</i> 2016 poster	
Minjoo Cho, Bokyung Lee, Joonhee Min, Daniel Saakes., Sketching in Virtual Reality for Rapid and Situated Idea Generation, <i>KSDS</i> 2015 Fall paper	2015
Bokyung Lee, Froukje Sleeswijk Visser, Daniel Saakes., Online User Reviews as a Design Resource , <i>IASDR</i> 2015 full paper	
Shin H-S (Felix), Bokyung Lee, Daniel Saakes., TagRadar: Locating Objects Using a Smart Phone Accessory , ACM $\overline{\textit{Ubicomp}/\text{ISWC}}$ 2015 Demos	

INVITED TALKS

HCI Korea Panel Talk: Panel for Future of Digital Fabrication Title: Not just helping you design easily, but help you design what you want.	Jan 2021
ID KAIST Ph.D. Colloquium Talk Doing a Ph.D. in HCI & Design Research	Jul 2017
Autodesk Research Talk Embodied Design Tools for Digital Fabrication	Nov 2018
CS374: Introduction to HCI Research Talk Design-driven HCI Research	Jun. 2018
HCI KAIST Research Talk Consumer to Creator: Understanding how people buy furniture to inform fabrication tools	Apr 2017
TEACHING EXPERIENCE	
Digital Design Fabrication (teaching assistant) ID KAIST Academic Counselor	Fall 2017 Spring 2017
Digital Design Fabrication (teaching assistant) Integrated Design – Undergraduate graduation project Digital Design Fabrication (teaching assistant)	Fall 2016 Spring 2016 Fall 2015
Space Design (teaching assistant) Introduction to Industrial Design (teaching assistant)	Spring 2015 Spring 2014
PROJECT EXPERIENCE	
Designing Occupant Simulation System for Digital Design Evaluation	2020-current
Vision-based Social Interaction Analysis for Human-Centered Architecture	2020-current
Design Toolkits for Everybody with VR/AR Technology project manager	2015-2018
AI/AR Personal Health Recommendations for Mobile Computing at Home project manager	
AI/AR Personal Health Recommendations for Mobile Computing at Home project lead	2018
Gesture-based Trafficator to Enhance Human-Automobile Interaction teaching assistant	2017
Augmented Reality Interface for the Internet of Things participating researcher	2016-2018
An Interactive Tabletop to Support Surveillance Scenarios with UAVs participating researche. Design for the Next Generation UX-Oriented Mobile Software Platform researcher	r 2015 2013
LEADERSHIP ACTIVITIES	
My Design Lab Student Lead	Mar 2014 – Dec 2017
Ph.D. student representative. Industrial Design department, KAIST	Sep 2016 - Aug 2017
Student organizing lead, Design 3.0 Forum	Aug 2017
Student organizing lead, ID KAIST 30th anniversary event	Aug 2017
K2 KAIST-Kyushu University Workshop	Feb 2017
ACADEMIC SERVICE	
Academic Paper Review: ACM CHI, ACM Siggraph E-tech, ACM DIS, ACM IDC	2020
Academic Paper Review: ACM CHI, ACM Siggraph Asia	
Academic Paper Review: ACM CHI, ACM CHI Play, ACM CSCW, ACM DIS, ACM TEI, AC Academic Paper Review: ACM DIS, ACM IDC, ACM C&C	2018 2017

SKILLS

Languages: Korean (Native), English (fluent)

Programming: C#, Python (NumPy, SciPy, Matplotlib, Pandas), Python, Javascript

Tools: Unity, Adobe Illustrator, Adobe Photoshop, Adobe Premier, Adobe Indesign, Autodesk Fushion 360,

Autodesk Revit, Autodesk Dynamo

Document Creation: Microsoft Office Suite, LaTex

Research Methods: design research methods (contextual inquiry, FGI, situated interview, gesture elicitation study),

quantitative analysis (SPSS, R), mixed-methods