

Wooje Chang

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Education

Korea Advanced Institute of Science and Technology (KAIST) M.S. Industrial Design Advisor: Dr. Andrea Bianchi	Daejeon, South Korea Jan 2021 – Feb 2023
Yale University B.S. Mechanical Engineering, Cognitive Science	New Haven, CT, USA Sep 2014 – Dec 2020

Publications

Conference Papers

- c.3 🏆 Rendering Perceived Terrain Stiffness in VR Via Preload Variation Against Body-Weight | *IEEE Transactions on Haptics 2023 / IEEE World Haptics Conference 2023*
Wooje Chang, Seungwoo Je, Michel Pahud, Mike Sinclair, Andrea Bianchi
- c.2 SpinOcchio: Understanding Haptic-Visual Congruency of Skin-Slip in VR with a Dynamic Grip Controller | *CHI 2022*
Myung Jin Kim, Neung Ryu, **Wooje Chang**, Michel Pahud, Mike Sinclair, Andrea Bianchi
- c.1 🏆 Design of Virtual Reality Application for Interaction Prototyping Remote Education | *HCI Korea 2022*
Hye-Young Jo, **Wooje Chang**, Hoonjin Jung, Andrea Bianchi

Posters

- p.2 Korean Emoticons: Understanding How Korean People Perceive Emotions in Text | *CSCW 2022 Posters*
Chowon Kang, Jong-ok Hong, **Wooje Chang**, Hyeon-Jeong Suk, Hwajung Hong
- p.1 ProjecString: Turning an Everyday String Curtain into an Interactive Projection Display | *SIGGRAPH 2022 Posters*
Wooje Chang, Yeeun Shin, Yeon Soo Kim, Woohun Lee

Research Experience

MAKinteract Lab Dr. Andrea Bianchi, KAIST <i>Research Assistant</i>	Daejeon, South Korea Jan 2021 – Feb 2023
Social Robotics Lab Dr. Brian Scassellati, Yale University <i>Undergraduate Research Intern</i>	New Haven, CT, USA May 2015 – Aug 2015 / Jan 2019 – May 2020
The Faboratory Dr. Rebecca Kramer-Bottiglio, Yale University <i>Undergraduate Research Intern</i>	New Haven, CT, USA Jan 2019 – Aug 2019
Institute for Processing Machines and Mobile Machinery TU Dresden <i>Undergraduate Research Intern</i>	Dresden, Germany May 2016 – Aug 2016

Work Experience

Algocare <i>Product Manager / Usability Researcher</i>	Seoul, South Korea Apr 2023 – Oct 2023
OnTrack Rehabilitation <i>Design Engineer</i>	New Haven, CT, USA May 2019 – Mar 2020
Yale Center for Engineering Innovation & Design <i>Design Aide</i>	New Haven, CT, USA May 2019 – Dec 2019
Republic of Korea Army, 1st Infantry Division <i>Field/Logistics Department Engineer</i>	Paju, South Korea Jan 2017 – Oct 2018

Academic Services & Teaching Experience

Reviewer CHI	2023
Reviewer World Haptics Conference	2023
Reviewer SIGGRAPH Asia	2022
Student Volunteer UIST	2022
Student Volunteer HCI Korea	2022
Teaching Assistant Interaction Prototyping, KAIST	Fall 2021
Teaching Assistant Graphic Design, KAIST	Spring 2022

Teaching Assistant | Photo Techniques, KAIST
Master's Student Representative | Department of Industrial Design, KAIST

Fall 2022
2021, 2022

Awards & Honors

Best Student Presentation Award World Haptics Conference	2023
Best Paper Award HCI Korea	2022
Alexander P. Hixon Fellowship Yale University	2019
Omega Psi National Honor Society of Cognitive Science	2016
Yale College First-Year Summer Research Fellowship in the Sciences & Engineering Yale University	2015

Organization

Yale Dramat | *Set Designer/Technical Director*
Y Pop-Up/Sugar & Salt | *Head Chef*
Bulldogs Racing | *Mechanical Designer*
KAIST Ice Hockey Club | *Club Lead*

Skills & Other Things

CAD / Prototyping	Autodesk Inventor, SolidWorks / 3D Printer, Laser Cutter, Arduino
Development	Java, C++, Python, Unity, L ^A T _E X
Power / CNC Tools	Mill, Lathe, Table Saw / CNC Mill, CNC Lathe, CNC Router
Language	English (<i>fluent</i>), Korean (<i>fluent</i>)
Hobbies	Cooking + Eating, Ice Hockey, Film Photography