

Minjung Park

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🏠 <https://minjungpark1.github.io/page/>

RESEARCH INTERESTS

Human-Computer Interaction, Human-Centered Design, Social Computing, Computer Supported Cooperative Work, Computer-Mediated Communication

EDUCATION

Korea Advanced Institute of Science and Technology (KAIST) Sep. 2021 - Present
M.S. in Industrial Design | Advisor: **Hyeon-Jeong Suk** Daejeon, Korea

Korea Advanced Institute of Science and Technology (KAIST) Mar. 2018 - Aug. 2021
B.S. in Industrial Design | Advisor: **Youn-Kyung Lim** Daejeon, Korea
early graduation

PUBLICATIONS

Conference & Journal Papers

- [c.1] Keunwoo Kim, **Minjung Park**, and Youn-Kyung Lim. **Guiding Preferred Driving Style Using Voice in Autonomous Vehicles: An On-Road Wizard-of-OZ Study** *In the Proceedings of the ACM Designing Interactive Systems Conference 2021 (DIS'21)*.
- [j.2] **Minjung Park** and Hyeon-Jeong Suk. **The characteristics of facial emotions expressed in Memojis**. *In Computers in Human Behavior Report (companion journal to Computer in Human Behavior, IF=8.3)*.
- [j.1] **Minjung Park**, Soyeong Min, Taesoo Kim, and Hyeon-Jeong Suk. (under review). **Investigating the Relationship between Vehicle Front-Images and Voice-Assistants**. *In Korean Society for Emotion and Sensibility*.

Posters & Workshop Papers

- [p.2] **Minjung Park** and Hyeon-Jeong Suk. **New Mobile Adaptation System for Better Avatar-Mediated Communication: Facial Expression in Memoji**. *In the ACM international Conference on Mobile Human-Computer Interaction 2022*.
- [p.1] Jaehong Kim, Chaeyoon Jeong, Mooyeol Oh, **Minjung Park**, Meeyoung Cha, and Wonjae Lee. **Emotions that Make Online Petitions Successful: A contrasting View of Private Signing and Public Sharing**. *In international Conference on Computational Social Science 2022*.
- [w.1] **Minjung Park** and Hyeon-Jeong Suk. **Emotional Expression in Memoji**. *In CHI 2022 Workshop (Future of Emotion in HCI)*.

Preprint

- [pr.1] Taesu Kim, Gyunpyo Lee, **Minjung Park**, Homg min Lee, Ji-Woo Park, and Hyeon-Jeong Suk. **User Responses to Dynamic Light in Automobiles with EEG and Self-Assessment** *In Social Science Electronic Publishing (listed on SSRN's Top Ten download list)*.

RESEARCH EXPERIENCE

KAIST Colorlab, Advised by **Dr. Hyeon-Jeong Suk**
Research Assistant & Funded Project Manager (Hyundai Motors)

Daejeon, Korea
Sep. 2021 - Present

- **Emotion-enhanced Facial Expressions using Memojis.** *Planned for submission to IJHCI*
Utilizing Participatory Design(PD) method, explored the problems of the existing status quo and designed a guide for avatars' facial expressions in order to support reliable and accurate online communication.
[p.2][w.1] Conducted the 5-Likert questionnaire to explore avatars' emotional conveyance level and confirmed the tendency and impact of one's nationality on the seven emotions.
[j.2] Performed a human assessment and an AI-driven estimation to establish the baseline levels of seven basic emotions conveyed by Memojis.
- **Ambient lights in automobiles**
[pr.1] Served as Project Manager of a collaborative project with **Hyundai Motors**, provided surveys and Unity V.R. workshops to improve the existing ambient lights in vehicles, performed digital ethnography, and conducted in-depth interviews with truckers.

KAIST Creative Interaction Design Lab, Advised by **Dr. Youn-Kyung Lim**
Undergraduate Researcher

Daejeon, Korea
Jul. 2020 - Jul. 2021

[c.1] Explored user experiences with teaching guiding styles to the Autonomous Vehicle agents to reflect the users' driving-style preferences with driving study on real roads using a Wizard-of-Oz design strategy.

KAIST Colorlab, Advised by **Dr. Hyeon-Jeong Suk**
Undergraduate Researcher

Daejeon, Korea
Jul. 2019 - Sep. 2019

- **Matching VAs(Voice Agent) with Front car image**
[j.1] Conducted surveys to explore the most aligned car front design with Voice Agents.

KAIST CIDR Lab, Advised by **Dr. Tek-Jin Nam**
Undergraduate Researcher

Daejeon, Korea
Mar. 2018 - Dec. 2018

Designed a 3D-printed tumbler, changed its pattern using augmented prototyping, and explored the viability and reliability of the augmented prototyping method.

PATENTS

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| Unmanned Aerial Vehicle | <i>Korean patent #1020150114725</i> |
| Water Duster Cleaner with Water Supply Control Capabilities | <i>Korean patent #1020150116542</i> |
| Clean Tool Using Static Electricity | <i>Korean patent #1020150116965</i> |
| Cleaning Goods for Disinfection | <i>Korean patent #1020200027776</i> |

HONORS AND AWARDS

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| IF Award in communication design Stock information app service which visualizes past stock charts through sentiment analysis. (selected among 5441 submissions) | <i>May. 2022</i> |
| Most Contributed-to-Creativity Student Honored with the title of most Creativity Student in Tokyo Tech 's 2022 online summer school. | <i>2022</i> |
| Leadership Mileage Certificate, KAIST Honor for top 3% among 3,600+ students with top achievements in leadership activities including volunteering and campus activities. | <i>2020</i> |

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|---|------------------|
| Scholarship of Mintsage | <i>Nov. 2019</i> |
| Received a \$200 Industrial Design scholarship from Mintsage for outstanding design accomplishments. | |
| Intel ISEF | <i>2017</i> |
| Selected as a finalist among more than 1,800 outstanding students and as a representative of Korea in material science. | |
| Talent Award of Korea | <i>2016</i> |
| A total of 100 people are selected as Korea's next leaders. (Award of Deputy Prime Minister and Minister of Education with \$2000 scholarship) | |

SERVICES

Student Volunteer

mobileHCI 2022

EXTRACURRICULAR ACTIVITIES

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| KAIST Student Ambassador, KAINURI | <i>Mar. 2018 - Feb. 2020</i> |
| A member of Social Media Team | |
| KAIST Vision Magazine Editor | <i>Mar. 2018 - Feb. 2020</i> |
| Industrial Design dept. Student Representative | <i>Mar. 2019 - Dec. 2019</i> |
| THE-KAIST Innovation & Impact Summit | <i>Mar. 2019</i> |
| Protocol Manager | |
| KAIST Undergraduate Tennis Club | <i>Mar. 2018 - Dec. 2018</i> |
| A member of executives in 2018. | |
| KAIST Freshmen Student Volunteer | <i>2018</i> |