

Minjung Park

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

RESEARCH INTERESTS

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

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

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. (under review). **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**

Daejeon, Korea

Research Assistant & Project Manager

Sep. 2021 - Present

Investigated a variety of research topics using quantitative and qualitative methods, including:

- **Emotion-enhanced Facial Expressions using Memojis.**

Planned for submission to IJHCI

Utilizing Participatory Design, 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] The survey explored Avatar's emotional conveyance level using 5-Likert questionnaires and confirmed nationality's tendency and impact on the seven emotions.

[j.2] A human assessment, as well as an AI-driven estimation, were performed to confirm the status quo of seven basic emotions.

- **Ambient lights in automobiles**

[pr.1] Served as PM (Project Manager) of the collaborative project with **Hyundai Motors**, conducted surveys and V.R. workshops to improve the existing ambient lights in the vehicles, and operated digital ethnography and in-depth interviews with truckers.

Undergraduate Researcher

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 the voice of VAs.

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

Daejeon, Korea

Undergraduate Researcher

Jul. 2020 - Jul. 2021

[c.1] Explored the guiding experience with the Autonomous Vehicle agents to reflect their driving-style preferences with a Wizard-of-Oz driving study on real roads.

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

Daejeon, Korea

Undergraduate Researcher

Mar. 2018 - Dec. 2018

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

PATENTS

Unmanned Aerial Vehicle

Korea patent #1020150114725

Water Duster Cleaner with Water Supply Control Capabilities

Korea patent #1020150116542

Clean Tool Using Static Electricity

Korea patent #1020150116965

Cleaning Goods for Disinfection

Korea patent #1020200027776

HONORS AND AWARDS

IF Award in communication design

May. 2022

Stock information app service which visualizes past stock charts through sentiment analysis.
(selected among 5441 submissions)

Most Contributed-to-Creativity Student

2022

Honored with the title of top creativity student in **Tokyo Tech**'s 2022 online summer school.

Leadership Mileage Certificate, KAIST

2020

Honor for top 3% among 3,600+ students with top achievements in leadership activities including volunteering and campus activities.

Scholarship of Mintsage	<i>Nov. 2019</i>
Honored to receive a \$200 Industrial Design scholarship from Mintsage for outstanding design accomplishments.	
Intel ISEF	<i>2017</i>
The honor of being selected as a finalist among more than 1,800 outstanding students and 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

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>
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>