

# Minjung Park

✉ pmj2700@kaist.ac.kr

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

## RESEARCH INTERESTS

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

## EDUCATION

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**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

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### 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

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**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

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**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

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**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.

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

## SERVICES

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### Student Volunteer

mobileHCI 2022

## EXTRACURRICULAR ACTIVITIES

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