

# Minjung Park

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

## RESEARCH INTERESTS

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### Human-Computer Interaction

Human-Centered AI, Digital Wellbeing, Computer Supported Cooperative Work, Computer-Mediated Communication

## EDUCATION

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### Korea Advanced Institute of Science and Technology (KAIST)

M.S. in Industrial Design | Advisor: Hyeon-Jeong Suk | Major GPA of 3.9/4.3  
coursework : Research Methodology, Data Science Methodology, Design Managing

Sep. 2021 - Jun. 2023

Daejeon, Korea

### Korea Advanced Institute of Science and Technology (KAIST)

B.S. in Industrial Design | Advisor: Youn-Kyung Lim | Major GPA of 3.85/4.3  
early graduation

Mar. 2018 - Aug. 2021

Daejeon, Korea

## 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.3] **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.2] **Minjung Park**, Soyeong Min, Taesoo Kim, and Hyeon-Jeong Suk. **Investigating the Relationship between Vehicle Front-Images and Voice-Assistants.** *In Korean Society for Emotion and Sensibility*.
- [j.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** *IEEE Access*

### 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 (MobileHCI'22)*.
- [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 (IC2S2'22)*.
- [w.1] **Minjung Park** and Hyeon-Jeong Suk. **Emotional Expression in Memoji.** *In CHI 2022 Workshop (Future of Emotion in HCI)*.

## PATENTS

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

## EXPERIENCE

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**KAIST Colorlab**, Advised by Dr. Hyeon-Jeong Suk Daejeon, Korea  
*Research Assistant & Funded Project Manager (Hyundai Motors)* 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.3] 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**  
[j.1] Served as Project Manager of a collaborative project with Hyundai Motors, provided surveys and VR(Unity) 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 Daejeon, Korea  
*Undergraduate Researcher* 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.

**CJ Livacity** Seoul, Korea  
*UX designer* Nov. 2020 - Dec. 2020

Designed user scenarios for future attraction and was hired as an official UX designer.

**KAIST Colorlab**, Advised by Dr. Hyeon-Jeong Suk Daejeon, Korea  
*Undergraduate Researcher* Jul. 2019 - Sep. 2019

[j.2] Conducted Voice Agent-Front car image matching surveys to explore the most aligned car front design with Voice Agents and did the PCA(Principal Component Analysis).

**KAIST Codesign Interaction Design Research Lab**, Advised by Dr. Tek-Jin Nam Daejeon, Korea  
*Undergraduate Researcher* 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.

## 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 11000+ submissions)

**Most Contributed-to-Creativity Student** 2022  
Honored with the title of most Creativity Student in **Tokyo Tech's** 2022 online summer school.

<b>Leadership Mileage Certificate, KAIST</b>	2020
Honor for top 3% among 3,600+ students with top achievements in leadership activities including volunteering and campus activities.	
<b>Scholarship of Mintsage</b>	Nov. 2019
Received a \$200 Industrial Design scholarship from Mintsage for outstanding design accomplishments.	
<b>Intel ISEF</b>	2017
Selected as a finalist among more than 1,800 outstanding students and as a 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. (Award of Deputy Prime Minister and Minister of Education with \$2000 scholarship)	

## SERVICES

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<b>Student Volunteer</b>
MobileHCI 2022 : Proceed to the in-person conference in more than 20 hours and selected as Gifted Artist (SV's t-shirt designer)

## SKILLS

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<b>Language</b>
Korean(Native), English(Full professional proficiency), Chinese(Beginner)
<b>Programming and Development</b>
Web : HTML, CSS
Product Development : Processing, Arduino, C++, C
Data Processing : Python(numpy, pandas, plotly), R, SPSS
Data visualization : R(ggplot)
<b>Design and Media Creation</b>
Adobe : Photoshop, Illustrator, After Effects, Lightroom, XD
UI tool : Figma, Miro, Sketch, Protopie
Modeling tool : Keyshot, Fusion 360, Unity, Blender
Word editing : Latex

## 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>Industrial Design dept. 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