

# Hye Soo Park

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## RESEARCH INTERESTS

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Human-Computer Interaction, Computer-Supported Cooperative Work, Assistive Technology

## EDUCATION

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**Korea Advanced Institute of Science and Technology (KAIST)** *Feb. 2023 - Feb. 2025(expected)*  
M.S. in *School of Computing* Daejeon, Korea  
Advisor: Uichin Lee

**Korea Advanced Institute of Science and Technology (KAIST)** *Mar. 2018 - Aug. 2022*  
B.E. in *Industrial & Systems Engineering* Daejeon, Korea  
Double major in *Industrial Design, Magma Cum Laude*

## PUBLICATIONS

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### Conference & Journal Papers

- [c.2] **Hye Soo Park**, Sueun Jang, Hyunsoo Lee, and Uichin Lee. **SELaD: Exploring Social-Emotional Learning in Family Conversation through Multimodal Data Visualization.** *CHI'25* (Under-review)
- [j.1] Tivan George, **Hye Soo Park**, and Uichin Lee. **FT Xtraction: Feature Extraction and Visualization of Conversational Video Data for Social and Emotional Analysis.** *SoftwareX*, 2024
- [c.1] Hyunsoo Lee, Yugyeong Jung, Youwon Shin, **Hye Soo Park**, Woohyeok Choi, and Uichin Lee. **FamilyScope: Visualizing Affective Aspects of Family Social Interactions using Passive Sensor Data.** *CSCW'24*

### Posters & Workshop Papers

- [w.2] **Hye Soo Park**, Uichin Lee. **I'm Not Fighting Alone: Designing a Community for Social Activists' Mental Well-being.** In *CSCW 2024 Workshop (Envisioning New Futures of Positive Social Technology)*
- [w.1] Sueun Jang, **Hye Soo Park**, Hyunsoo Lee, and Uichin Lee. **Toward a Family-Centered Approach to Sleep: Redefining Sleep Metrics and Interactions for Families.** In *CHI 2024 Workshop (Methods for Family-Centered Design: Bridging the Gap Between Research and Practice)*

## EXPERIENCE

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**KAIST ICLab**, Advised by Uichin Lee *Mar. 2023 - Present*  
*Research & Funded Project Assistant* Daejeon, Korea

- **Data-intensive Future Smart Home**  
Designed systems for enhancing family functioning and well-being by facilitating co-reflection of data visualization of the family and conducted user studies to evaluate the system. [c.2][c.1][w.1]
- **Predicting and Managing Stress Risks for Emotion Workers**  
Researched cognitive and emotional workload for call-center workers by in-field user interview.

**Tech For Impact** by Kakao Impact *Aug. 2023 - Mar. 2024*  
*Project Manager & Front Developer* Daejeon, Korea  
Designed a mobile web application for social justice and human rights activists, focusing on self-care and social support of their mental health by conducting user interviews to understand users' needs. [w.2]

**Ice Creative(MCN company)** *Jan. 2021 - Feb. 2021*  
*UI Designer Intern* Daejeon, Korea

**KAIST ICLab**, Advised by Uichin Lee  
*Undergraduate Researcher*

*Jul. 2019 - Dec. 2019*  
Daejeon, Korea

Designed a system for self-regulated phone use and worked as assistant in conducting an in-field user study after the deployment of the system.

## HONORS AND AWARDS

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### **Winner of HACKAIST 2022**

*Jun. 2022*

Honored with the title of final winner in HACKAIST 2022.

### **Presidential Science Scholarship**

*Jun. 2018 - Jun. 2021*

Incoming 60 freshmen in sciences and engineering programs are selected.

Full tuition and additional support of \$2500 every semester for outstanding students.

### **KAIST Department Honors Scholarship**

*Sep. 2020*

Received a \$800 Industrial and System Engineering scholarship for outstanding academic achievement for top 4 students among department students.

### **Talent Award of Korea**

*Nov. 2017*

A total of 100 people are selected as Korea's next leaders.

(Award of Deputy Prime Minister and Minister of Education with \$2000 scholarship)

## SKILLS

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### **Programming and Development**

Web : HTML, JS(React.js, Next.js, p5.js, D3.js), CSS

Data Analysis : Python(Numpy, PyTorch, Scikit-learn, Plotly), SPSS, R

Collaboration: Git, Github, Slack

### **Design**

UI Prototyping : Figma, Protopie

Graphic design & Media design : Adobe (Photoshop, Illustrator, After Effect, Premiere Pro, Lightroom)

CAD & Rendering : Blender, Fusion 360

Word editing : Overleaf, Latex

## MENTORING

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### **ICLab Summer / Winter Internship Program**

Conducted mentoring for an internship program targeting KAIST undergraduate students and external applicants. The students below were mentoring students.

- Tivan George *Aug. 2023 - Apr. 2024*
- Alexander Kim *Dec. 2023 - Feb. 2024*
- Jaewon Jung *Jul. 2023 - Aug. 2023*

## EXTRACURRICULAR ACTIVITIES

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### **KAIST exploreCSR Organizer**

*Aug. 2023 - Present*

A member of the Public Relations Team.

### **KAIST Social Inclusion Committee**

*Sep. 2021 - Present*

An undergraduate student representative and a graduate student representative.

### **KAIST Student & Minority Human Rights Committee**

*Jul. 2020 - Present*

### **KAIST Times**

*Mar. 2018 - Jun. 2020*

A head of the Illustration Department