Hye Soo Park

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RESEARCH INTERESTS

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

EDUCATION

Korea Advanced Institute of Science and Technology (KAIST)   *Feb. 2023 - Feb. 2025(expected)*
M.S. in *Computer Science*   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

Conference & Journal Papers

[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.** *In the Proceedings of ACM Conference On Computer-Supported Cooperative Work And Social Computing (CSCW'24)*

Posters & Workshop Papers

[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)*

[p.1] Yoo Jin Hong, **Hye Soo Park**, Eunki Joung, and Jihyeong Hong. **MOJI: Enhancing Emoji Search System with Query Expansions and Emoji Recommendations.** *In Extended Abstracts of the 2024 CHI Conference on Human Factors in Computing Systems (CHI EA '24)*

EXPERIENCE

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.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, explored design implications to mitigate the stress of workers.

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 for understanding target users' needs.

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

KAIST ICLab, Advised by Uichin Lee *Jul. 2019 - Aug. 2019*
Undergraduate Researcher 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

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

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

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

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