Hyesoo Park

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RESEARCH INTERESTS

Human-Computer Interaction, Disability Justice, Activism, Community-engaged Research

EDUCATION

Georgia Institute of Technology   *Aug. 2025 - Present*
Ph.D. in Computer Science, *School of Interactive Computing*   Atlanta, GA, USA
Advisor: Jennifer G. Kim

Korea Advanced Institute of Science and Technology (KAIST)   *Feb. 2023 - Feb. 2025*
M.S. in *School of Computing* | Advisor: Uichin Lee   Daejeon, Korea
Uichin Lee(Chair), Hwajung Hong, Petr Slovak
Thesis title: Exploring Social-Emotional Learning in Family Conversation through Multimodal Data Visualization

Korea Advanced Institute of Science and Technology (KAIST)   Mar. 2018 - Aug. 2022
B.S. in Industrial & Systems Engineering | Double major in Industrial Design   *Daejeon, Korea*
Magna Cum Laude
Relevant Courses: Intro to HCI (A0), User Experience Design (A+), System Design (A+), Software Prototyping (A0)

PUBLICATIONS

Conference & Journal Papers

[c.3] **Hyesoo Park**, Sueun Jang, Hyunsoo Lee, Jennifer G. Kim, and Uichin Lee. **Why stressed, Mom?: Exploring Family Reflection on Social and Emotional Sensor Data through Family Informatics.**
(*CHI'26, under review*)

[c.2] Youngseok Seo, Sueun Jang, **Hyesoo Park**, Joseph Seering, and Uichin Lee. **Ethics Training Agents: Facilitating Group-Based Ethics Education with Role-Playing and Discussion for Ethical Reflection and Exploration.**
(*CHI'26, under review*)

[j.1] Tivan George, **Hyesoo 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, **Hyesoo 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] **Hyesoo Park**, Uichin Lee. **I'm Not Fighting Alone: Designing a Community for Social Activists' Mental Well-being.**
CSCW 2024 Workshop (Envisioning New Futures of Positive Social Technology)

[w.1] Sueun Jang, **Hyesoo Park**, Hyunsoo Lee, and Uichin Lee. **Toward a Family-Centered Approach to Sleep: Redefining Sleep Metrics and Interactions for Families.**
CHI 2024 Workshop (Methods for Family-Centered Design: Bridging the Gap Between Research and Practice)

[p.1] Yoo Jin Hong, **Hyesoo Park**, Eunki Joung, and Jihyeong Hong. **MOJI: Enhancing Emoji Search System with Query Expansions and Emoji Recommendations.**
CHI EA'24

RESEARCH EXPERIENCES

GT Co-Well Tech Lab, Advised by Jennifer G. Kim *Aug. 2025 - Present*
Graduate Research Assistant Atlanta, GA, USA

KAIST ICLab, Advised by Uichin Lee *Mar. 2023 - Feb. 2025*
Research & Funded Project Assistant Daejeon, Korea

- **Social-Emotional Data Informatics for Family** [c.3][j.1]

  Researched how parent-child dynamics influence children's understanding and involvement in shared social-emotional data visualization and derived design implications for future smarthome technologies.

  End-to-end experience of first-authored HCI research – including formative interviews, system development from scratch, user study (n=51), mixed-methods analysis, revision from reviews, and paper writing.

- **Data-intensive Future Smarthome** [c.1][w.1]

  Designed a system for enhancing family functioning by facilitating co-reflection of data visualization of the family's physiological data and conducted an in-lab user study ($n = 30$). [c.1] Conducted literature review on family-centric approach to sleep routine in smarthome. [w.1]

  Conducted user study in the revision period and co-authored two papers.

- **Predicting and Managing Stress Risks for Emotion Workers** [pt.1]

  Researched cognitive and emotional workload for call-center workers by in-field user interviews and explored design implications to mitigate the stress of workers.

  Conducted thematic analysis on in-field user interviews (n=16).

Tech For Impact by Kakao Impact [w.2] *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.

KAIST ICLab, Advised by Uichin Lee *Jul. 2019 - Dec . 2019*
Undergraduate Researcher Daejeon, Korea
Designed a system for self-regulated phone use and worked as an assistant in conducting an in-field user study after the deployment of the system.

PATENT

[pt.1] **A System to Support Voice Consultation Using Voice Modulation of Customer and Call Agents** *Korea patent (In progress)*

EXTRACURRICULAR ACTIVITIES

Development of DBT-based Mindcare App for University Students *Mar. 2024 - Feb. 2025*
A user researcher & UI designer, conducted interviews with students and therapists and designed a peer-support service for self-management of irregular life patterns.
Advisor: Sukyoung Ryu

KAIST exploreCSR Organizer *Aug. 2023 - Feb. 2025*
A member of the Public Relations Team.

KAIST Social Inclusion Committee *Sep. 2021 - Aug. 2024*
An undergraduate student representative and a graduate student representative.

KAIST Student & Minority Human Rights Committee *Jul. 2020 - Aug. 2024*
Head of the committee, addressed human rights issues, maintained the human rights library, and organized several booth events and lectures for Human Rights Week to highlight campus minorities.

KAIST Times *Mar. 2018 - Jun. 2020*
Head of the Illustration Department.

HONORS AND AWARDS

Outstanding Teaching Assistant Award, KAIST School of Computing, Fall 2024 *Feb. 2025*
Recognized for excellence in teaching and student support as a TA of CS374.

Conference Travel Grant from KAIST (ACM CSCW '24) *Nov. 2024*

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 individuals, including 50 high school students, are selected as Korea's future 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

User Study
Research Method: Diary Study, Participatory Design Workshop, Focus Group Interview
Analysis — Qualitative: Thematic analysis / Quantitative: Statistical Testing

Design
UI Prototyping : Figma, Protopie
Graphic Design & Media Design : Adobe (Photoshop, Illustrator, After Effect, Premiere Pro, Lightroom)
CAD & Rendering : Blender, Fusion 360

Language
English(Full professional proficiency), Korean(Native)

MENTORING

Teaching Assistant, CS374 Introduction to HCI, Fall 2024 (55 Students) *Aug. 2024 - Dec. 2024*
Prepared in-class activities, graded design homework, and mentored 4 teams on 7-stage design projects.

ICLab Summer / Winter Internship Program
Conducted mentoring for an internship program targeting KAIST undergraduate students and external
applicants. The students below were mentoring students.

- Jieun You *Aug. 2024 - Dec. 2024*

- Tivan George *Aug. 2023 - Apr. 2024*

- Alexander Kim *Dec. 2023 - Feb. 2024*

REFERENCES

Uichin Lee
Professor
KAIST, School of Computing
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Sukyoung Ryu
Professor
KAIST, School of Computing
`sryu.cs [at] kaist.ac.kr`