Sangjun Park

sangjun@kaist.ac.kr sangjun.dev

linkedin.com/in/highjun/ Google Scholar

RESEARCH INTEREST

My research interests span **Human-Computer Interaction (HCI), eXplainable AI (XAI), and Personal Informatics**. In particular, I'm willing to focus on *how AI models can enhance decision-making by effectively leveraging personal data*. This includes exploring how these models should explain their inner workings, and what kinds of structures best support transparency and effectiveness.

While this represents my primary research interest, I remain enthusiastic about exploring interdisciplinary collaborations and related research domains. If you're interested in my research or would like to connect, feel free to reach out anytime!

EDUCATION

Ph.D. in School of Computing Mar. 2024 – Present
Korea Advanced Institute of Science & Technology (KAIST)

M.S in School of Computing Mar. 2022 – Feb. 2024
Korea Advanced Institute of Science & Technology (KAIST)

- ✓ Researched at the Interactive Computing Lab under *Uichin Lee*
- ✓ *Thesis:* Carrying and Wearing: Understanding Missing of Step-count Self-tracking Using Smartphones and Wearables in the Wild

B.S. in School of Electrical Engineering Mar. 2017 – Aug. 2021
Korea Advanced Institute of Science & Technology (KAIST)

- ✓ GPA: 3.96/4.3
- ✓ Double major in the Department of Mathematical Sciences

PUBLICATIONS

Conference & Journal Papers (C)

[C3] *A PPG Signal Dataset Collected in Semi-Naturalistic Settings Using Galaxy Watch*
Sangjun Park, Dejiang Zheng, Uichin Lee.
Scientific Data, 12(1), pp. 1–13, 2025.

[C2] *Deepstress: Supporting Stressful Context Sensemaking in Personal Informatics Systems Using a Quasi-Experimental Approach*
Gyuwon Jung, **Sangjun Park**, Uichin Lee
CHI 2024: Proceedings of the 2024 CHI Conference on Human Factors in Computing Systems.

[C1] *Tutorial on Matching-based Causal Analysis of Human Behaviors Using Smartphone Sensor Data*
Gyuwon Jung, **Sangjun Park**, Eunyeol Ma, Heeyoung Kim, Uichin Lee
CSUR: ACM Computing Surveys, 56(9), pp. 1–33, 2024.

Posters, Demos, and Workshops (P)

[P4] *QuickRef: Should I Read Cited Papers for Understanding This Paper?*
Sangjun Park, Chanhee Lee, Jieun Han, Uichin Lee
CHI LBW 2023: Extended Abstracts of the 2023 CHI Conference on Human Factors in Computing Systems.

[P3] *Data-driven Digital Therapeutics Analytics*
Uichin Lee, Gyuwon Jung, **Sangjun Park**, Eunyeol Ma, Heeyoung Kim, Yonggeon Lee, Youngtae Noh
IEEE BigComp 2023 Workshop on IoT Big Data for Health and Wellbeing

[P2] *Measuring Device-Specific Physical Activity Trackability in Multi-Device Environments*
Sangjun Park, Eunji Park, Paul H. Lee, Uichin Lee
IEEE BigComp 2023 Workshop on IoT Big Data for Health and Wellbeing

[P1] *Causal Analytic Process for Mobile Health Data*
Gyuwon Jung, **Sangjun Park**, Uichin Lee, Eunyeol Ma, Heeyoung Kim
IEEE BigComp 2023 Workshop on IoT Big Data for Health and Wellbeing

TEACHING

Operating Systems and Lab **Spring 2025**
KAIST CS330 Teaching Assistant, Instructor: Insik Shin

Introduction to Database **Fall 2024**
KAIST CS360 Teaching Assistant, Instructor: Myoungho Kim

Introduction to Computer Networks **Spring 2024**
KAIST CS341 Teaching Assistant, Instructor: Suebok Moon

IoT Data Science **Spring 2023**
KAIST CS565 Teaching Assistant, Instructor: Uichin Lee

Programming Practice **Fall 2022**
KAIST CS109 Teaching Assistant, Instructor: Eunyoung Moon

ACADEMIC SERVICE

Reviewer at CHI conference **2024–2025**