Young-Ho Kim

Lead Research Scientist
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Google Scholar (Link)

Research Statement

My research is at the intersection of Personal Health Informatics and Human-Computer Interaction (HCI). I design, develop, and evaluate Personal Informatics (PI) technologies that empower people to better learn about themselves and make positive changes in their behaviors and thoughts. Recently, I have investigated how we can leverage (generative) AIs in PI systems to acknowledge and account for the lifelong challenges of marginalized populations.

AI for Health & Well-being | AI for Marginalized Populations | Personal Informatics

Employment

2021 – Present

NAVER Corp. (Nov 2021 – Dec 2022) → NAVER Cloud (Jan 2023 – Jan 2026) → NAVER Corp. (Feb 2026 – Present) , Seongnam, Gyeonggi, Korea
Lead Research Scientist, HCI Research (Feb 2023 – *Present*)
Affiliated with Language Research (Feb 2023 – *Present*)
Affiliated with AI Safety Lab (Jan 2024 – *Present*)
Research Scientist, AI Research (July 2022 – *Jan 2023*)
Tech Lead, AI Research (July 2022 – *Jan 2023*)

Sep 2019 – Nov 2021

University of Maryland, College Park, MD, USA
Postdoctoral Associate, working with Dr. Eun Kyoung Choe
College of Information Studies & HCIL

Mar 2019 – Jul 2019

Seoul National University, Seoul, Korea
BK21 Postdoctoral Researcher, working with Dr. Jinwook Seo
Dept. of Computer Science & Engineering, College of Engineering

Apr 2011 – Apr 2012

I-UM Socius, Seoul, Korea
UI/UX Designer @ Brand Experience Design Team

Education

Sep 2012 – Feb 2019

Ph.D. in Electrical Engineering & Computer Science (Now CSE) [*Outstanding Dissertation Award*] (GPA: 96.6)
Seoul National University, Seoul, Korea

- Dept. of Computer Science & Engineering, College of Engineering
- Advisor: Dr. Jinwook Seo
- Dissertation: Designing Flexible Self-Tracking Technologies for Enhancing *In Situ* Data Collection Capability

Mar 2007 – Feb 2011

Bachelor of Fine Arts in Design [Cum Laude] (GPA: 94.3)
Seoul National University, Seoul, Korea

- Major of Visual Communication Design, Dept. of Craft & Design, College of Fine Arts
- Advisor: Prof. Suzung Kim

Grants, Awards, and Recognitions

2026 **Honorable Mention Award**—[C36] ACM CHI 2026. (Co-authored)

2025 **Honorable Mention Award**—[C27] ACM CHI 2025. (Co-authored)

2025 **Best Paper Award**—[C22] ACM CHI 2025. (Corresponding-authored)

2024 **Best Paper**—[W12] ACL 2024. (Co-authored)

2024 **Highlight Paper**—[W8] CHI 2024. (Corresponding-authored)

2023 **Best Paper Award**—[C9] ACM CHI 2023. (Corresponding-authored)

2022 **Honorable Mention Award**—[J4] PACM 2022. (Co-authored)

2021 **Honorable Mention Award**—[C5] ACM CHI 2021. (Corresponding-authored)

2020 **Special Recognitions for Outstanding Reviews**—2 recognitions for paper reviews at ACM CHI 2021

2019 **NRF of Korea International Postdoc Fellowship**—Granted 45,000,000 KRW (equivalent to 40,000 USD) stipend for 1-year postdoctoral studies abroad.
Proposal title: Design and Development of a Multipurpose Research Platform for Effective Collection of Mobile Health/Activity Data

2019 **Google Travel Grant**—ACM CHI 2019, Glasgow, Scotland, UK

2019 **Outstanding Ph.D. Dissertation Award**—Dept. of Computer Science & Engineering, Seoul National University

2017 **NAVER Ph.D. Fellowship Award**—Granted 5,000,000 KRW (equivalent to 4,500 USD) from NAVER Corp.

2011 **iF Design Award Nominee**—Social Dating Service, I-UM

2011 **Graduation with Distinction (Rank first)**—Dept. of Craft & Design, Seoul National University

2007–2011 **Merit-based Scholarship**—Seoul National University (Fully-supported tuition for 4 years)

Publication

– Papers marked with ● indicate those for which I served as the primary author (either first or corresponding).

International Journal Papers (Peer Reviewed)

[J6] **De-Decay: Defusing Computer Vision Model Degradation through Scalable and Actionable Human-Data Alignment**
Tong Steven Sun, Huining Feng, Jinwei Ye, Sangdoo Yun, Young-Ho Kim, Sungsoo Ray Hong
ACM Transactions on Intelligent & Interactive Systems (ACM TiiS).

[J5] **From Verbal Reports to Personalized Activity Trackers: Understanding the Challenges of Ground Truth Data Collection with Older Adults in the Wild**
Hossein Khayami, Lining Wang, Young-Ho Kim, Bongshin Lee, David E Conroy, Amanda Lazar, Eun Kyoung Choe, Hernisa Kacorri
PACM on Interactive, Mobile, Wearable and Ubiquitous Technologies (IMWUT) (PACM IMWUT (UbiComp 2025)), 9 (2).

[J4] **NoteWordy: Investigating Touch and Speech Input on Smartphones for Personal Data Capture**
[Honorable Mention Award] (top 5% of submissions)
Yuhan Luo, Bongshin Lee, Young-Ho Kim, Eun Kyoung Choe
PACM on Human-Computer Interaction (PACMHCI) (PACM HCI (ISS 2022)), 6.

[J3] **Understanding the Consequences of Moment-by-Moment Fluctuations in Mood and Social Experience for Paranoid Ideation in Psychotic Disorders**
Ryan D. Orth, Juyoen Hur, Anyela M. Jacome, Christina L. G. Savage, Shannon E. Grogans, Young-Ho Kim, Eun Kyoung Choe, Alexander J. Shackman, Jack J. Blanchard
Schizophrenia Bulletin Open.

[J2] **Githru: Visual Analytics for Understanding Software Development History Through Git Metadata Analysis**
Youngtaek Kim, Jaeyoung Kim, Hyeon Jeon, Young-Ho Kim, Hyunjoo Song, Bohyoung Kim, Jinwook Seo
IEEE Transactions on Visualization and Computer Graphics (IEEE TVCG) (IEEE TVCG (VAST 2020)).
Also presented at IEEE VIS'20 (VAST).

[J1] **OmniTrack: A Flexible Self-Tracking Approach Leveraging Semi-Automated Tracking**

- Young-Ho Kim, Jae Ho Jeon, Bongshin Lee, Eun Kyoung Choe, Jinwook Seo
  PACM on Interactive, Mobile, Wearable and Ubiquitous Technologies (IMWUT) (PACM IMWUT (UbiComp 2017)), 1 (3).
  Also presented at ACM UbiComp'17, Maui, Hawaii, USA.

International Conference Papers (Peer Reviewed)

[C42] **When It's Hard to Explain: Strategies for Reducing Prompt Uncertainty In Multimodal Generative Systems**
Nazar Ponochevnyi, Young-Ho Kim, Michael Brudno, Anastasia Kuzminykh
Proc. ACM Designing Interactive Systems Conference (ACM DIS 2026).

[C41] **Group Conversational Agents: A Review of Designs that Support and Shape Group Interaction**
ShunYi Yeo, Tianyi Zhang, Scott Bateman, Gary Hsieh, Young-Ho Kim, Simon Tangi Perrault, Jiannan Li, Anthony Tang
Proc. ACM Designing Interactive Systems Conference (ACM DIS 2026).

[C40] **Exploring Learners' Expectations and Engagement When Collaborating with Constructively Controversial Peer Agents**
Thitaree Tanprasert, Young-Ho Kim, Sidney S. Fels, Dongwook Yoon
Proc. ACM CHI Conference on Human Factors in Computing Systems (ACM CHI 2026, 25.3% Acceptance Rate).

[C39] **ClearFairy: Capturing Creative Workflows through Decision Structuring, In-Situ Questioning, and Rationale Inference**
Kihoon Son, DaEun Choi, Tae Soo Kim, Young-Ho Kim, Sangdoo Yun, Juho Kim
Proc. ACM CHI Conference on Human Factors in Computing Systems (ACM CHI 2026, 25.3% Acceptance Rate).

[C38] **"Are we writing an advice column for Spock here?" Understanding Stereotypes in AI Advice for Autistic Users**
Caleb Wohn, Buse Carik, Xiaohan Ding, Sang Won Lee, Young-Ho Kim, Eugenia H. Rho
Proc. ACM CHI Conference on Human Factors in Computing Systems (ACM CHI 2026, 25.3% Acceptance Rate).

[C37] **An Empirical Study to Understand How Students Use ChatGPT for Writing Essays**
Andrew Jelson, Daniel Manesh, Alice Jang, Daniel Dunlap, Young-Ho Kim, Sang Won Lee
Proc. ACM CHI Conference on Human Factors in Computing Systems (ACM CHI 2026, 25.3% Acceptance Rate).

[C36] **CHOIR: A Chatbot-mediated Organizational Memory Leveraging Communication in University Research Labs**
[Honorable Mention Award] (top 5% of submissions)
Sangwook Lee, Adnan Abbas, Yan Chen, Young-Ho Kim, Sang Won Lee
Proc. ACM CHI Conference on Human Factors in Computing Systems (ACM CHI 2026, 25.3% Acceptance Rate).

[C35] **"Having Lunch Now": Understanding How Users Engage with a Proactive Agent for Daily Planning and Self-Reflection**
Adnan Abbas, Caleb Wohn, Arnav Jagtap, Eugenia H. Rho, Young-Ho Kim, Sang Won Lee
Proc. ACM CHI Conference on Human Factors in Computing Systems (ACM CHI 2026, 25.3% Acceptance Rate).

[C34] • **LingoQ: Bridging the Gap between EFL Learning and Work through AI-Generated Work-Related Quizzes**
Yeonsun Yang, Sang Won Lee, Jean Y. Song, Sangdoo Yun, Young-Ho Kim
Proc. ACM CHI Conference on Human Factors in Computing Systems (ACM CHI 2026, 25.3% Acceptance Rate).

[C33] • **Autiverse: Eliciting Autistic Adolescents' Daily Narratives through AI-guided Multimodal Journaling**
Migyeong Yang, Kyungah Lee, Jinyoung Han, SoHyun Park, Young-Ho Kim
Proc. ACM CHI Conference on Human Factors in Computing Systems (ACM CHI 2026, 25.3% Acceptance Rate).

[C32] **Supporting Reviewing Reviews: How HCI Authors Handle Peer Reviews of Manuscripts**
Colin Au Yeung, Jessi Stark, Jiannan Li, Fanny Chevalier, Joonsuk Park, Young-Ho Kim, Anthony Tang
ICHEC 2025.

[C31] **CUPID: Evaluating Personalized and Contextualized Alignment of LLMs from Interactions**
Tae Soo Kim, Yoonjoo Lee, Yoonah Park, Jiho Kim, Young-Ho Kim, Juho Kim
Proc. Conference of Language Modeling (COLM 2025, 32% Acceptance Rate).

[C30] • **PlanFitting: Personalized Exercise Planning with Large Language Model-driven Conversational Agent**
Donghoon Shin, Gary Hsieh, Young-Ho Kim
Proc. ACM Conference on Conversational User Interfaces (ACM CUI 2025).

[C29] **"They Didn't Mean To": Leveraging The Diversity of Perspectives In LLM-Enhanced Subjective Decision-Making**
Paula Akemi Aoyagui, Kelsey Stemmler, Sharon A. Ferguson, Young-Ho Kim, Anastasia Kuzminykh
Proc. ACM CHI Conference on Human Factors in Computing Systems (ACM CHI 2025, 25.1% Acceptance Rate).

[C28] **Making the Write Connections: Linking Writing Support Tools with Writer Needs**
Zixin Zhao, Damien Masson, Young-Ho Kim, Gerald Penn, Fanny Chevalier
Proc. ACM CHI Conference on Human Factors in Computing Systems (ACM CHI 2025, 25.1% Acceptance Rate).

[C27] **Textoshop: Interactions Inspired by Drawing Software to Facilitate Text Editing**
[Honorable Mention Award] (top 5% of submissions)
Damien Masson, Young-Ho Kim, Fanny Chevalier
Proc. ACM CHI Conference on Human Factors in Computing Systems (ACM CHI 2025, 25.1% Acceptance Rate).

[C26] **Enhancing Pediatric Communication: The Role of an AI-Driven Chatbot in Facilitating Child-Parent-Provider Interaction**
Woosuk Seo, Young-Ho Kim, Ji Eun Kim, Megan Tao Fan, Mark S. Ackerman, Sung Won Choi, Sun Young Park
Proc. ACM CHI Conference on Human Factors in Computing Systems (ACM CHI 2025, 25.1% Acceptance Rate).

[C25] **Understanding Public Agencies' Expectations and Realities of AI-Driven Chatbots for Public Health Monitoring**
Eunkyung Jo, Young-Ho Kim, Sang-Houn Ok, Daniel A. Epstein
Proc. ACM CHI Conference on Human Factors in Computing Systems (ACM CHI 2025, 25.1% Acceptance Rate).

[C24] • **ExploreSelf: Fostering User-driven Exploration and Reflection on Personal Challenges with Adaptive Guidance by Large Language Models**
Inhwa Song, SoHyun Park, Sachin R. Pendse, Jessica Lee Schleider, Munmun De Choudhury, Young-Ho Kim
Proc. ACM CHI Conference on Human Factors in Computing Systems (ACM CHI 2025, 25.1% Acceptance Rate).

[C23] • **ELMI: Interactive and Intelligent Sign Language Translation of Lyrics for Song Signing**
Suhyeon Yoo, Khai N. Truong, Young-Ho Kim
Proc. ACM CHI Conference on Human Factors in Computing Systems (ACM CHI 2025, 25.1% Acceptance Rate).

[C22] • **AACessTalk: Fostering Communication between Minimally Verbal Autistic Children and Parents with Contextual Guidance and Card Recommendation**
[Best Paper Award] (top 1% of submissions)
Dasom Choi, SoHyun Park, Kyungah Lee, Hwajung Hong, Young-Ho Kim
Proc. ACM CHI Conference on Human Factors in Computing Systems (ACM CHI 2025, 25.1% Acceptance Rate).

[C21] **The Explanation That Hits Home: The Characteristics of Verbal Explanations That Affect Human Perception in Subjective Decision-Making**
Sharon Ferguson, Paula Akemi Aoyagui, Rimsha Rizvi, Young-Ho Kim, Anastasia Kuzminykh
PACM on Human-Computer Interaction (PACMHCI) (PACM HCI (CSCW 2024)), 8.

[C20] **Redefining Activity Tracking Through Older Adults' Reflections on Meaningful Activities**
Yiwen Wang, Mengying Li, Young-Ho Kim, Bongshin Lee, Margaret Danilovich, Amanda Lazar, David E Conroy, Hernisa Kacorri, Eun Kyoung Choe
Proc. ACM CHI Conference on Human Factors in Computing Systems (ACM CHI 2024, 26.3% Acceptance Rate).

[C19] **EvalLM: Interactive Evaluation of Large Language Model Prompts on User-Defined Criteria**
Tae Soo Kim, Yoonjoo Lee, Jamin Shin, Young-Ho Kim, Juho Kim
Proc. ACM CHI Conference on Human Factors in Computing Systems (ACM CHI 2024, 26.3% Acceptance Rate).

[C18] **GenQuery: Supporting Expressive Visual Search with Generative Models**
Kihoon Son, DaEun Choi, Tae Soo Kim, Young-Ho Kim, Juho Kim
Proc. ACM CHI Conference on Human Factors in Computing Systems (ACM CHI 2024, 26.3% Acceptance Rate).

[C17] **DiaryMate: Understanding User Perceptions and Experience in Human-AI Collaboration for Personal Journaling**
Taewan Kim, Donghoon Shin, Young-Ho Kim, Hwajung Hong
Proc. ACM CHI Conference on Human Factors in Computing Systems (ACM CHI 2024, 26.3% Acceptance Rate).

[C16] • **Understanding the Impact of Long-Term Memory on Self-Disclosure with Large Language Model-Driven Chatbots for Public Health Intervention**
Eunkyung Jo, Yuin Jeong, SoHyun Park, Daniel A. Epstein, Young-Ho Kim
Proc. ACM CHI Conference on Human Factors in Computing Systems (ACM CHI 2024, 26.3% Acceptance Rate).

[C15] • **MindfulDiary: Harnessing Large Language Model to Support Psychiatric Patients' Journaling**
Taewan Kim, Seolyeong Bae, Hyun Ah Kim, Su-woo Lee, Hwajung Hong, Chanmo Yang, Young-Ho Kim
Proc. ACM CHI Conference on Human Factors in Computing Systems (ACM CHI 2024, 26.3% Acceptance Rate).

[C14] • **ChaCha: Leveraging Large Language Models to Prompt Children to Share Their Emotions about Personal Events**
Woosuk Seo, Chanmo Yang, Young-Ho Kim
Proc. ACM CHI Conference on Human Factors in Computing Systems (ACM CHI 2024, 26.3% Acceptance Rate).

[C13] • **Leveraging Large Language Models to Power Chatbots for Collecting User Self-Reported Data**
Jing Wei, Sungdong Kim, Hyunhoon Jung, Young-Ho Kim
PACM on Human-Computer Interaction (PACMHCI) (PACM HCI (CSCW 2024)), 8.

[C12] **The Bot on Speaking Terms: The Effects of Conversation Architecture on Perceptions of Conversational Agents**
Christina Wei, Young-Ho Kim, Anastasia Kuzminykh
Proc. ACM Conference on Conversational User Interfaces (ACM CUI 2023, 38.33% Acceptance Rate).

[C11] • **DataHalo: A Customizable Notification Visualization System for Personalized and Longitudinal Interactions**
Guhyun Han, Jaehun Jung, Young-Ho Kim, Jinwook Seo
Proc. ACM CHI Conference on Human Factors in Computing Systems (ACM CHI 2023, 28.39% Acceptance Rate).

[C10] **AVscript: Accessible Video Editing with Audio-Visual Scripts**
Mina Huh, Saelyne Yang, Yi-Hao Peng, Xiang 'Anthony' Chen, Young-Ho Kim, Amy Pavel
Proc. ACM CHI Conference on Human Factors in Computing Systems (ACM CHI 2023, 28.39% Acceptance Rate).

[C9] • **Understanding the Benefits and Challenges of Deploying Conversational AI Leveraging Large Language Models for Public Health Intervention**
[Best Paper Award] (top 1% of submissions)
Eunkyung Jo, Daniel A. Epstein, Hyunhoon Jung, Young-Ho Kim
Proc. ACM CHI Conference on Human Factors in Computing Systems (ACM CHI 2023, 28.39% Acceptance Rate).

[C8] **Designing a Direct Feedback Loop between Humans and Convolutional Neural Networks through Local Explanations**
Tong Sun, Yuyang Gao, Shubham Khaladkar, Sijia Liu, Liang Zhao, Young-Ho Kim, Sungsoo Ray Hong
PACM on Human-Computer Interaction (PACMHCI) (PACM HCI (CSCW 2023)), 7.

[C7] • **MyMove: Facilitating Older Adults to Collect In-Situ Activity Labels on a Smartwatch with Speech**
Young-Ho Kim, Diana Chou, Bongshin Lee, Margaret Danilovich, Amanda Lazar, David E. Conroy, Hernisa Kacorri, Eun Kyoung Choe
Proc. ACM CHI Conference on Human Factors in Computing Systems (ACM CHI 2022, 24.7% Acceptance Rate).

[C6] **FoodScrap: Promoting Rich Data Capture and Reflective Food Journaling Through Speech Input**
Yuhan Luo, Young-Ho Kim, Bongshin Lee, Naeemul Hassan, Eun Kyoung Choe
Proc. ACM Designing Interactive Systems Conference (ACM DIS 2021, 26.8% Acceptance Rate).

[C5] • **Data@Hand: Fostering Visual Exploration of Personal Data on Smartphones Leveraging Speech and Touch Interaction**
[Honorable Mention Award] (top 5% of submissions)
Young-Ho Kim, Bongshin Lee, Arjun Srinivasan, Eun Kyoung Choe
Proc. ACM CHI Conference on Human Factors in Computing Systems (ACM CHI 2021, 26.3% Acceptance Rate).

[C4] **Visualization Support for Multi-criteria Decision Making in Software Issue Propagation**
Youngtaek Kim, Hyeon Jeon, Young-Ho Kim, Yuhoon Ki, Hyunjoo Song, Jinwook Seo
Proc. IEEE Pacific Visualization Symposium (IEEE PacificVis 2021).

[C3] **Understanding Personal Productivity: How Knowledge Workers Define, Evaluate, and Reflect on Their Productivity**
- Young-Ho Kim, Eun Kyoung Choe, Bongshin Lee, Jinwook Seo
Proc. ACM CHI Conference on Human Factors in Computing Systems (ACM CHI 2019, 23.8% Acceptance Rate).

[C2] **Toward Becoming a Better Self: Understanding Self-Tracking Experiences of Adolescents with Autism Spectrum Disorder Using Custom Trackers**
Sung-In Kim, Eunkyung Jo, Myeonghan Ryu, Inha Cha, Young-Ho Kim, Heejeong Yoo, Hwajung Hong
Proc. EAI Intl. Conference on Pervasive Computing Technologies for Healthcare (EAI PervasiveHealth 2019).

[C1] **TimeAware: Leveraging Framing Effects to Enhance Personal Productivity**
- Young-Ho Kim, Jae Ho Jeon, Eun Kyoung Choe, Bongshin Lee, KwonHyun Kim, Jinwook Seo
Proc. ACM CHI Conference on Human Factors in Computing Systems (ACM CHI 2016, 23.4% Acceptance Rate).

Extended Abstracts and Workshop Papers (Lightly Peer Reviewed)

[W14] **From Storage to Interpretation: User Perceptions, Practices, and Challenges with Long-term Memory in Agents**
Brennan Jones, Nazar Ponochevnyi, Kelsey Stemmler, Emily Su, Young-Ho Kim, Anastasia Kuzminykh
ACM HAI 2025 Poster.

[W13] **Users' Expectations and Practices with Agent Memory**
Brennan Jones, Kelsey Stemmler, Emily Su, Young-Ho Kim, Anastasia Kuzminykh
Proc. ACM CHI Conference on Human Factors in Computing Systems (ACM CHI 2025 Late-Breaking Work, 25.1% Acceptance Rate).

[W12] **Revealing User Familiarity Bias in Task-Oriented Dialogue via Interactive Evaluation**
[Best Paper] (top 1% of submissions)
Takyoung Kim, Jamin Shin, Young-Ho Kim, Sanghwan Bae, Sungdong Kim
ACL 2024 Workshop on NLP for Conversational AI.

[W11] **Unveiling Disparities in Web Task Handling Between Human and Web Agents**
Kihoon Son, Jinhyeon Kwon, DaEun Choi, Tae Soo Kim, Young-Ho Kim, Sangdoo Yun, Juho Kim
CHI 2024 Workshop on Computational User Interface.

[W10] **Just Like Me: The Role of Opinions and Personal Experiences in The Perception of Explanations in Subjective Decision-Making**
Sharon Ferguson, Paula Aoyagui, Young-Ho Kim and Anastasia Kuzminykh
CHI 2024 Workshop on Trust and Reliance in Evolving Human-AI Workflows (TREW@CHI'24).

[W9] **EvalLM: Interactive Evaluation of Large Language Model Prompts on User-Defined Criteria (Encore)**
Tae Soo Kim, Yoonjoo Lee, Jamin Shin, Young-Ho Kim, Juho Kim
CHI 2024 Workshop on Human-centered Evaluation and Auditing of Language Models (HEAL@CHI'24).

[W8] • **Incorporating Multi-Stakeholder Perspectives in Evaluating and Auditing of Health Chatbots** [Highlight Paper]
Eunkyung Jo, Young-Ho Kim, Yuin Jeong, SoHyun Park, Daniel Epstein
CHI 2024 Workshop on Human-centered Evaluation and Auditing of Language Models (HEAL@CHI'24).

[W7] • **Evaluating and Auditing LLM-Driven Chatbots for Psychiatric Patients in Clinical Mental Health Settings**
Taewan Kim, Seolyeong Bae, Hyun Ah Kim, Su-woo Lee, Hwajung Hong, Chanmo Yang, Young-Ho Kim
CHI 2024 Workshop on Human-centered Evaluation and Auditing of Language Models (HEAL@CHI'24).

[W6] • **Towards Designing a Safe and Reliable LLM-driven Chatbot for Children**
Woosuk Seo, Sun Young Park, Mark Ackerman, Chan-Mo Yang, Young-Ho Kim
CHI 2024 Workshop on Human-centered Evaluation and Auditing of Language Models (HEAL@CHI'24).

[W5] **Computational Approaches for App-to-App Retrieval and Design Consistency Check**
Seokhyeon Park, Wonjae Kim, Young-Ho Kim, Jinwook Seo
ICML 2023 Workshop on Artificial Intelligence & Human Computer Interaction.

[W4] **DiaryMate: Exploring the Roles of Large Language Models in Facilitating AI-mediated Journaling**
Taewan Kim, Donghoon Shin, Young-Ho Kim, Hwajung Hong
CHI 2023 Workshop on Intelligent and Interactive Writing Assistants (In2Writing).

[W3] **Can AI Support Fiction Writers Without Writing For Them?**
Jessi Stark, Anthony Tang, Young-Ho Kim, Joonsuk Park, Daniel Wigdor
CHI 2023 Workshop on Intelligent and Interactive Writing Assistants (In2Writing).

[W2] • **Leveraging Pre-Trained Language Models to Streamline Natural Language Interaction for Self-Tracking**
Young-Ho Kim, Sungdong Kim, Minsuk Chang, Sang-Woo Lee
NAACL 2022 Workshop on "Bridging HCI and NLP".

[W1] **Examining the Role of Conversational AI in Personal Informatics Systems for Collaborative Health Work and Care**
Eunkyung Jo, Young-Ho Kim, Yuin Jeong, Hyeri Kim, Hyun Jung Park, Daniel A. Epstein
Proc. ACM CHI Conference on Human Factors in Computing Systems (ACM CHI 2022 Workshop on "Grand Challenges for Personal Informatics and AI", 24.7% Acceptance Rate).

Organized Workshops and Tutorials

[O1] **Design and Prototype Conversational Agents for Research Data Collection**
Jing Wei, Young-Ho Kim, Samantha W. T. Chan, Tilman Dingler
ACM ISS 2022 Tutorial.

Computing Systems as Research Artifacts

Autiverse (Tablet) – Artifact for [C33]
An AI-guided multimodal journaling tool that elicits autistic adolescents' daily narratives.

- Role: Design (in collaboration), Implementation (in collaboration)
- Contributors: Migyeong Yang, Young-Ho Kim, SoHyun Park, Kyungah Lee, Jinyoung Han

Open-sourced (https://naver-ai.github.io/autiverse)

LingoQ (Mobile + Desktop (Windows/macOS)) – Artifact for [C34]
An AI-powered EFL learning app that generates work-related quizzes from users' work-related English queries with LLM.

- Role: Design (in collaboration), Mobile implementation (in collaboration), Desktop implementation
- Contributors: Yeonsun Yang, Young-Ho Kim, Sang Won Lee, Jean Y. Song, Sangdoo Yun

Open-sourced (https://naver-ai.github.io/lingo-q)

AACessTalk (Tablet) – Artifact for [C22]
An LLM-infused tool for lyric-to-sign-language translation for d/Deaf users.

- Role: Technical implementation (in collaboration), Design (in collaboration)
- Contributors: Young-Ho Kim, Dasom Choi, SoHyun Park, Kyungah Lee, Hwajung Hong

Open-sourced (https://naver-ai.github.io/aacesstalk)

ELMI (Web) – Artifact for [C23]
An LLM-infused tool for lyric-to-sign-language translation for d/Deaf users.

- Role: Technical implementation (in collaboration), Design (in collaboration)
- Contributors: Young-Ho Kim, Suhyeon Yoo, Khai N. Truong

Open-sourced (https://naver-ai.github.io/elmi)

ExploreSelf (Web) – Artifact for [C24]
An LLM-driven exploration tool for personal challenges and mental health.

- Role: Technical implementation (in collaboration), Design (in collaboration)
- Contributors: Inhwa Song, Young-Ho Kim, SoHyun Park, Sachin R. Pendse, Jessica Lee Schleider, Munmun De Choudhury

Open-sourced (https://naver-ai.github.io/exploreself)

ChaCha (Mobile) – Artifact for [C14]
An LLM-driven chatbot for children.

- Role: Technical implementation, Design (in collaboration)
- Contributors: Young-Ho Kim, Woosuk Seo

Open-sourced (https://naver-ai.github.io/chacha)

MindfulDiary (Web) – Artifact for [C15]
A patient diary app for journaling everyday events and emotions through free-form conversation with an LLM-driven chatbot.

- Role: Design (in collaboration)
- Contributors: Taewan Kim, Seolyeong Bae, Hyun Ah Kim, Hwajung Hong, Chanmo Yang, Young-Ho Kim

DiaryMate (Web) – Artifact for [C17]
A web diary app powered by large language model (NAVER HyperCLOVA) for various writing support and empathetic features.

- Role: Design (in collaboration)
- Contributors: Taewan Kim, Donghoon Shin, Young-Ho Kim, Hwajung Hong

AVScript (Web) – Artifact for [C10]
A script- and computer-vision-based video editing tool for blind content creators leveraging their own video footage.

- Role: Design (in collaboration)
- Contributors: Mina Huh, Saelyne Yang, Yi-Hao Peng, Xiang 'Anthony' Chen, Young-Ho Kim, Amy Pavel

MyMove Watch (Android Wear OS) – Artifact for [C7]
A smartwatch application that facilitates older adults to collect their in-situ activity labels with speech.

- Role: Design (in collaboration), implementation of the entire system
- Contributors: Young-Ho Kim, Diana Chou, Bongshin Lee, Margaret Danilovich, Amanda Lazar, David E. Conroy, Hernisa Kacorri, Eun Kyoung Choe

Data@Hand (iOS, Android) – Artifact for [C5]
A cross-platform mobile application that leverages speech and touch interactions to facilitate visual exploration of self-tracking data.

- Role: Design (in collaboration), implementation of the entire system
- Contributors: Young-Ho Kim, Bongshin Lee, Arjun Srinivasan, Eun Kyoung Choe

Open-sourced (https://data-at-hand.github.io)

Githru (Web) – Artifact for [J2]
A visual analytics system for understanding software development history through git metadata analysis.

- Role: Implementation (in collaboration) of the frontend components, improvement of the GUI aesthetics
- Contributors: Youngtaek Kim, Jaeyoung Kim, Hyeon Jeon, Young-Ho Kim, Hyunjoo Song, Bohyoung Kim, Jinwook Seo

Open-sourced (https://githru.github.io/demo/)

OmniTrack for Research (Web, Android)
A research platform to implement, conduct, and manage mobile-based in-sisu data collection studies without coding.

- Role: Design (in collaboration), implementation of the entire system
- Contributors: Young-Ho Kim, Bongshin Lee, Jinwook Seo, Eun Kyoung Choe, Junhoe Kim, Valérie Erb

Open-sourced (https://omnitrack.github.io/research)

OmniTrack (Android) – Artifact for [J1]
A flexible self-tracking app that supports constructing personalizable trackers leveraging semi-automated tracking.

- Role: Design (in collaboration), implementation of the entire system
- Contributors: Young-Ho Kim, Jae Ho Jeon, Bongshin Lee, Eun Kyoung Choe, Jinwook Seo

Open-sourced (https://omnitrack.github.io)

TimeAware (MacOS, Windows, Web) – Artifact for [C1]
A desktop-based screen time monitoring widget.

- Role: Design (in collaboration), implementation of the entire platform
- Contributors: Young-Ho Kim, Jae Ho Jeon, Eun Kyoung Choe, Bongshin Lee, KwonHyun Kim, Jinwook Seo

Teaching Experience

2020 Fall; 2019 Fall

University of Maryland, College Park, MD, USA
Guest Lecturer, invited by Prof. Eun Kyoung Choe
■ INST 682 / CMSC838X: Personal Health Informatics & Visualization

- 2020: Provided a tutorial lecture on "Time-series visualization of personal data using Tableau."
- 2019: Provided a guest lecture on "Mobile-based in-situ data collection."

2019 Spring

Seoul National University, Seoul, Korea
Graduate Teaching Assistant, worked with Prof. Jinwook Seo
■ 4190.426A: Information to Human-Computer Interaction (CSE Undergraduate), 23 students

- Provided a tutorial lecture on in-situ data collection and personal informatics.
- Designed and wrote a class project (topic: Understanding People via Mobile In-Situ Data Collection).
- Advised 11 class project teams (23 students).
- Advised on writing a project proposal, setting up study instrumentation, giving presentations, and writing a project report.

2016 Fall

Seoul National University, Seoul, Korea
Graduate Teaching Assistant, worked with Prof. Jinwook Seo
■ M1522.000500: Information Visualization & Visual Analytics (CSE Graduate), 45 students

- Provided a tutorial lecture on D3.js.
- Wrote D3.js assignments, wrote D3.js problems for midterm exam, graded assignments and exam, and held office hours.

2015 Fall

Korea University, Seoul, Korea
Guest lecturer, invited by Prof. Jaegul Choo
■ AAA638: Computational and Visual Analytics (CS Graduate)

- D3.js tutorial lecture (2.5 hours)

2013 Fall

Seoul National University, Seoul, Korea
Graduate Teaching Assistant, worked with Prof. Jinwook Seo
■ 4190.103A: Programming Practice (CSE Undergraduate), 50 students

- Designed material for a weekly C programming lab session, wrote programming assignments, led lab sessions, graded assignments, and held office hours.

Student Mentorship & Collaboration

Jungeun Lee, POSTECH CS PhD student
Mentoring research internship.
NAVER AI Lab
Mar 2025 – Sep 2025

Yeonsun Yang, DGIST EECS PhD student
Mentoring research internship. Coauthored [C34].
NAVER AI Lab
Mar 2025 – Sep 2025

Migyeong Yang, Sungkyunkwan University AI PhD candidate
Mentoring research internship. Coauthored [C33].
NAVER AI Lab
Mar 2025 – Sep 2025

Suhyeon Yoo, University of Toronto CS PhD student
Mentoring research internship on AI tool for d/Deaf song signers. Coauthored [C23].
NAVER AI Lab
May 2024 – Sep 2024

Woosuk Seo, University of Michigan, Ann Arbor Informatics PhD candidate
Mentoring research internship on building a chatbot for children's emotional intelligence. Coauthored [C14] [C26].
NAVER AI Lab
May 2023 – Aug 2024

Inhwa Song, KAIST CS Undergraduate student
Mentoring research internship on AI tool for user-driven exploration of personal challenges. Coauthored [C24].
NAVER AI Lab
Mar 2024 – Sep 2024

Dasom Choi, KAIST Industrial Design PhD student
Mentoring research internship on an AI-based communication mediation system for minimally verbal autistic children and parents. Coauthored [C22].
NAVER AI Lab
Mar 2024 – Sep 2024

Eunkyung Jo, University of California, Irvine Informatics PhD student
Mentored research internship on understanding the role of conversational AI in health work. Coauthored [C9] [C16] [C25].
NAVER AI Lab
Jun 2022 – Oct 2023

Donghoon Shin, University of Washington HCDE PhD student
Mentoring research internship on building a conversational AI for personalized health planning. Coauthored [C30].
NAVER AI Lab
Jun 2023 – Sep 2023

Taewan Kim, KAIST Industrial Design PhD student
Mentoring research internship on designing AI-mediated diary writing for depression patients. Coauthored [C15].
NAVER AI Lab
Jan 2023 – Jul 2023

Sukhyun Lee, Yonsei University Computer Science MS student
Mentoring research internship on scanning paper-based self-trackers.
NAVER AI Lab
Jan 2023 – Jul 2023

Takyoung Kim, NAVER AI Lab Research Intern at NAVER AI Lab
Collaborated on assessing user biases in task-oriented dialogue systems. Coauthored [W12].
NAVER AI Lab
Oct 2022 – Jan 2023

Jessi Stark, University of Toronto CS PhD student
Co-mentoring on designing AI tools for fiction writer, with Prof. Anthony Tang. Coauthored [W3].
NAVER AI Lab
Sep 2022 – Sep 2023

Christina Wei, University of Toronto Informatics PhD student
Co-mentoring on understanding relationship between conversational architecture and user perception, with Prof. Anastasia Kuzminykh. Coauthored [C12].
NAVER AI Lab
Sep 2022 – Present

Jing Wei, University of Melbourne CIS PhD student
Mentored research internship on building data collection chatbots using large language model. Coauthored [C13].
NAVER AI Lab
May 2022 – Jul 2022

Mina Huh, University of Texas, Austin PhD student
Co-mentored research internship on designing video editing tools for blind people. Coauthored [C10].
NAVER AI Lab
Apr 2022 – Jun 2022

Seokhyeon Park, Seoul National University SNU CS PhD student
Co-mentoring research internship on building machine learning models with mobile UIs. Coauthored [W5].
Seoul National University
Feb 2022 – Jul 2022

Taeyoon Kim, UNIST M.S. student
Co-mentoring on designing effective visual intervention on Youtube usage.
NAVER AI Lab
Nov 2021 – Feb 2022

Jong Ho Lee, University of Maryland iSchool PhD student
Collaborated on developing mobile activity reporting app for older adults and stroke patients.
University of Maryland
Sep 2021 – Nov 2021

Lining Wang, University of Maryland iSchool PhD student
Collaborated on analyzing older adults' verbal activity reports and on-body sensor data from the Machine Learning perspective.
University of Maryland
Aug 2021 – Nov 2021

Sabahat Fatima, University of Maryland CS Undergraduate. Currently a research engineer at the Johns Hopkins University
Collaborated on analyzing older adults' verbal activity reports and on-body sensor data from the Machine Learning perspective.
University of Maryland
Apr 2021 – Nov 2021

Diana Chou, University of Maryland CS M.S. student
Collaborated on designing and developing a mobile application for teachable interface for personalized activity recognition of older adults and stroke patients. Coauthored [C7].
University of Maryland
Feb 2021 – Sep 2021

Yuhan Luo, University of Maryland iSchool PhD student. Currently Assistant Professor at CityU Hong Kong.
Collaborated on understanding the effects of speech inputs on capturing everyday food practice compared to text typing. Coauthored [C6] [J4].
University of Maryland
Mar 2020 – Nov 2020

GuHyun Han, Seoul National University CSE PhD student
Collaborated on designing and evaluating a customizable ambient visualization system for smartphone notifications. Coauthored [C11].
Seoul National University
Feb 2019 – Jul 2019

Valérie Erb, Seoul National University CS undergraduate at University of Zurich. Currently a MS student at KAIST CT.
Advised an internship project on contributing to implementation of OmniTrack for Research, a mobile-based in-situ data collection platform.
Seoul National University
Feb 2018 – Jun 2018

Junhoe Kim, Seoul National University CSE undergraduate. Currently at NCSoft Korea.
Advised an internship project on contributing to implementation of OmniTrack. Coauthored [J1].
Seoul National University
Feb 2018 – Jul 2018

Sung-In Kim, Seoul National University College of Medicine undergraduate. Currently a public health physician.
Advised an independent study on how customizable self-tracking app could support habit formation of autistic adolescents. Coauthored [C2].
Seoul National University
Dec 2017 – Feb 2019

Youngtaek Kim, Seoul National University CSE PhD student. Currently at Samsung Electronics.
Collaborated on designing a source code repository visualization framework, supported by Samsung electronics. Coauthored [J2] [C4].
Seoul National University
Mar 2017 – Jul 2019

Talks & Panels

Leveraging AI to Empower Parents, Children, and Adolescents facing Developmental, Emotional, and Social Challenges — *Yonsei University Severance Hospital, Oct 2025*
Invited Talk at Department of Psychiatry

Designing Non-Chatbot AI Interaction in Mental Health Contexts — *Korean Academy of Child & Adolescent Psychiatry, May 2025*
Panel Talk at Spring 2025 Conference

Designing LLM-driven Conversational AIs for Marginalized Populations — *University of Illinois, Urbana-Champaign, Apr 2025*
Invited Talk at Social Computing Systems Lab

Designing Non-Chatbot AI Interaction in Mental Health Contexts — *Hongik University, Mar 2025*
Invited Talk at Department of Visual Communication Design

Designing LLM-driven Conversational AIs for Marginalized Populations — *Seoul National University, Jan 2025*
Invited Talk at AI/Computing Frontier Seminar

Designing Inclusive AI for Marginalized Populations — *NAVER, Dec 2024*
12th NULI Webinar

Designing LLM-driven Personal Informatics Systems for Marginalized Populations — *Sungkyunkwan University, Dec 2024*
Department Talk (Applied AI)

Designing LLM-driven Conversational AIs for Marginalized Populations — *Yonsei University, Nov 2024*
Department Talk (Graduate School of Communication)

Designing LLM-driven Personal Informatics Systems for Marginalized Populations — *POSTECH, Nov 2024*
Department Talk (Graduate School of AI)

Designing LLM-driven Personal Informatics Systems for Marginalized Populations — *Korean Society of Design and Science Fall Intl. Conference, Nov 2024*
Panel Talk at Special Session for 'Design for Healthcare'

Designing LLM-driven Conversational AIs for Marginalized Populations — *Yonsei University, Oct 2024*
Invited Talk (Graduate School of Information)

Structuring Knowledge from Semi-Structured Personal Informatics Systems with Large Language Models — *Seoul National University, Dec 2023*
Department Talk (Computer Science)

HCI Research & Career Paths — *KAIST, Jun 2023*
Panel Talk at the Introduction to HCI class (Instructor: Juho Kim)

Case Study of CLOVA CareCall: Benefits and Challenges of Deploying Conversational AI Leveraging Large Language Models for Public Health Intervention — *KAIST, May 2023*
Invited Talk at @TABLE seminar of Aging & Technology Policy Lab (Grad school of science and technology policy)

Advancing Self-Tracking through Flexible Human-Data Interaction and AI — *Soongsil University, Mar 2023*
Department Talk (Computer Science)

How to Become a World-Leading HCI Researcher in Korea — *HCI Korea 2023, Feb 2023*
Panel Talk (with Prof. Jaeyeon Lee, Uran Oh, Auk Kim, Yoonji Kim, and Seongjae Oh)

Advancing Self-Tracking through Flexible Human-Data Interaction and AI — *Soongsil University, Dec 2022*
Department Talk (Computer Science)

Advancing Self-Tracking through Flexible Human-Data Interaction and AI — *SEOULTECH, Dec 2022*
Invited Talk at AI Colloquium (Dept. of Applied Artificial Intelligence)

Collecting, Visualizing, and Telling about Personal Data — *KAIST, Nov 2022*
Invited Talk at Smart Health class (School of Computing)

When Design Meets Engineering: HCI, Information Visualization, and Multimodal Interaction — *Sangmyung University, Oct 2022*
Department Talk (Visual Communication Design)

Advancing Self-Tracking through Flexible Human-Data Interaction — *UNIST, Apr 2022*
Department Talk (Design)

Data@Hand: Fostering Visual Exploration of Personal Data on Smartphones Leveraging Speech and Touch Interaction — *Online, Feb 2022*
Distinguished Research Seminar at HCI Korea 2022

Advancing Self-Tracking through Flexible Human-Data Interaction — *University of Seoul, Dec 2021*
Invited Talk, hosted by Dr. Hyunggu Jung (Dept. of Computer Science & Engineering)

Advancing Self-Tracking through Flexible Human-Data Interaction — *KAIST, Oct 2021*
Department Talk (Industrial Design)

Advancing Personal Tracking through Flexible Human-Data Interaction — *EIRIC, Jun 2021*
EIRIC CHI 2021 Review Seminar

Advancing Self-Tracking through Flexible Human-Data Interaction — *NAVER AI Lab, Jun 2021*
AI Research Talk

Data@Hand: Fostering Visual Exploration of Personal Data on Smartphones Leveraging Speech and Touch Interaction — *Human-Computer Interaction Lab, University of Maryland, May 2021*
HCIL Symposium 2021

Data@Hand: Fostering Visual Exploration of Personal Data on Smartphones Leveraging Speech and Touch Interaction
SoDa Research Roundtables
Social Data Science Center, University of Maryland
Apr 2021

Advancing Self-Tracking through Flexible Human-Data Interaction
Department Talk (Computer Science)
Stevens Institute of Technology
Mar 2021

Visible Language Meets Engineering Language: Designing Interactive Information Visualization Systems to Nudge People
'Dessert Seminar' (BBL)
Korea Institute of Design Promotion
Apr 2019

HCI, Personal Informatics, and Information Visualization: Being (Surviving as) an HCI Researcher in Engineering Fields without Losing Designer's Soul
Guest Lecture in Design Research Class (Dept. of Design), hosted by Mingu Lee
Seoul National University
Mar 2019

Designing Flexible Self-Tracking Technologies to Enhance In Situ Data Collection
Invited Talk, hosted by Dr. Gwang Uk Kim (Dept. of Computer Science)
Hanyang University
Mar 2019

Understanding Personal Productivity: How Knowledge Workers Define, Evaluate, and Reflect on Productivity
The 4th SNU HCI Group Summit
Seoul National University
Aug 2018

Designing the HCI Technology for Flexible, Semi-Automated Personal Tracking Experience
Invited Talk, hosted by Dr. Hwajung Hong (Dept. of Communication)
Seoul National University
Apr 2018

Designing the HCI Technology for Flexible, Semi-Automated Personal Tracking Experience
Invited Speaker at NAVER Tech Talk
NAVER Corp., Korea
Mar 2018

A Flexible Self-Tracking Approach Leveraging Semi-Automated Tracking
The 3rd SNU HCI Group Summit
Seoul National University
Aug 2017

Leveraging Framing Effects to Enhance Personal Productivity
The 2nd SNU HCI Group Summit
Seoul National University
Aug 2016

Service

Reviewer

ACM CHI (2017, 2019, 2020, 2021, 2022, 2023)
PACM IMWUT (2017 Aug, 2019 Nov, 2020 Aug, 2022 Aug, 2022 Nov, 2023 Nov)
PACM HCI CSCW (2022 July, 2023 Jan, 2024 Jul)
IEEE VIS (2021)
IEEE Transactions on Visualization and Computer Graphics (2024)
ACM DIS (2018, 2021, 2022, 2023)
ACM MobileHCI (2020)
ACM Transactions on Computer-Human Interaction (2021, 2024)
INTERACT (2019, 2021)
IEEE Pervasive Computing (2021)
Eurographics EuroVis (2022)
IEEE PacificVis (2024)
PLOS Digital Health (2022)

Committee

The HCI Society of Korea, Co-Vice President (2026–2028)
ACM CSCW (Associate Chair in Program Committee) – January 2024 cycle
ACM CHI (Associate Chair in Program Committee) – Health subcommittee (2024, 2025), Computational Interaction subcommittee (2026)
IEEE PacificVis 2023 (Associate Chair in Program Committee)
IEEE PacificVis 2017 (Design Chair)
Workshop on Ubiquitous Personal Assistance in ACM UbiComp 2018, 2019 (Technical Program Committee)
Seoul National University, Organizing Committee of SNU HCI Group Summit (2016, 2017)
Seoul National University, HCI Winter School Organizing Committee (2016)

Thesis Committee

Seokhyeon Park, PhD in Computer Science and Engineering, Seoul National University, Seoul, Korea (2025)
Youjin Choi, PhD in School of Integrated Technology, GIST, Gwangju, Korea (2025)
JooYeong Kim, PhD in School of Integrated Technology, GIST, Gwangju, Korea (2024)
Eunkyung Jo, PhD in Dept. of Informatics at University of California, Irvine, CA, USA (2024)
Taeyoon Kim, Master in Dept. of Industrial Design at UNIST, Ulsan, Korea (2021 Winter)

Student Volunteer

IEEE PacificVis 2017
ACM CHI 2016