Daye Kang

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Education

09/2021
- 2027 Exp
Cornell University, Ithaca, NY, United States
Ph.D. Candidate in Information Science (Minor in Computer Science)
 • Advisor: Malte Jung

08/2018
- 02/2021
Korea Advanced Institute of Science and Technology (KAIST), Deajeon, Korea
M.S. in Industrial Design (Specialization: Human-Computer Interaction)
 • Advisor: Andrea Bianchi

03/2013
- 08/2018
Hongik University, Seoul, Korea
B.F.A. in Visual Communication Design (Specialization: UX Research)

Awards and Honors

2025
Best Paper Award (Top 1%), ACM CHI
Best Paper Honorable Mention (Top 5%), ACM CSCW
Graduate School Research Travel Award (Cornell University)

2023 - 2025
Media Studies Grant Award, College of Arts and Sciences, Cornell University
Grant for an interdisciplinary research on Human-AI interaction and Generative AI

2021
Best Master's Thesis Award, Department of Industrial Design, KAIST

2018 - 2021
Korean Government Scholarship, Korea Ministry of Science and Technology

2017
Adobe Design Achievement Awards (Semifinalist), Adobe
Dean's Award, Hongik University
Graduation Project Excellence Award, Visual Communication Design Department
Excellence Award, Korean Society of Design Science
Poster Honor Award, Korean Society of Design Science

2016
Excellence Award, Times Young Creative Awards

Publications

C: Conference proceedings, **W**: Workshop, **P**: Poster, **J**: Journal publications

2025 🏆 C.11 **Towards Hormone Health: An Autoethnography of Long-Term Holistic Tracking to Manage PCOS**
Daye Kang, Jingjin Li, Gilly Leshed, Jeff Rzeszotarski, and Xi Lu.
ACM Conference on Human Factors in Computing Systems (CHI).
Best Paper Award

🎗C.10 ThemeViz: Understanding the Effect of Human-AI Collaboration in Theme Development with an LLM-enhanced Interactive Visual System
Daye Kang, Zhuolun Han, Jiahe Tian, Muhan Zhang, and Jeff Rzeszotarski.
ACM Conference on Computer-Supported Cooperative Work and Social Computing (CSCW).
Best Paper Honorable Mention Award

W.9 Exploring New Sensemaking Methods to Understand Complex Lived Experiences using PCOS Data
Daye Kang.
ACM Designing Interactive Systems (DIS) Workshop – Bring Your Own Biodata (BYOB): Feminist, Corporeal and Collective Approaches to Datafied Bodie

W.8 Does Human-AI Collaboration Hinder Creative Visual Imagery? The Paradox of Increased Mental Images but Reduced Creative Output
Daye Kang, Jiahe Tian, Zhuolun Han, Harriet Kumah, Abby Kim, and Jeff Rzeszotarski
ACM Designing Interactive Systems (DIS) Workshop – Design Knowledge in AI: Navigating Temporality and Continuity

2024 **C.7 Challenges and Opportunities for Tool Adoption in Industrial UX Research Collaborations**
Daye Kang and Jeff Rzeszotarski.
ACM Conference on Computer-Supported Cooperative Work and Social Computing (CSCW)

W.6 LLM-embedded interactive visual system for iterative theme refinement
Daye Kang, Zhuolun Han, Jiahe Tian, Muhan Zhang, and Jeff Rzeszotarski
ACM Conference on Human Factors in Computing Systems (CHI) Workshop – LLMs as Research Tools: Applications and Evaluations in HCI Data Work

2021 **C.5 ToonNote: Improving Communication in Computational Notebooks Using Interactive Data Comics**
Daye Kang, Tony Ho, Nicolai Marquardt, Bilge Mutlu, and Andrea Bianchi.
ACM Conference on Human Factors in Computing Systems (CHI).

2019 **J.4 HeyTeddy: Conversational Test-Driven Development for Physical Computing**
Yoonji Kim, Youngkyung Choi, **Daye Kang**, Minkyeong Lee, Tek-Jin Nam, and Andrea Bianchi.
ACM Interactive, Mobile, Wearable, and Ubiquitous Technologies (IMWUT).

P.3 Designing Internal Structure of Chocolate and Its Effect on Food Texture
Yujin Lee, Jee Bin Yim, **Daye Kang**, Hyeon-Beom Yi, and Daniel Saakes. 2019.
Companion publication of ACM Designing Interactive Systems (DIS)

2017 **🏆C.2 Lexia in Wonderland: Korean Education Service for Children with Dyslexia**
Daye Kang, Hye-Ryeong Kim, Ji-Hae Lee, Young Eun Lee, Jae Young Yun.
Conference on Korean Society of Design Science (KSDS).

Excellence Award

🎗P.1 **Nudge Design to Increase Physical Activities for Hospitalized Children**
Daye Kang, Hye-Min Choi, Ka-Hyun Kim, and Younjoon Lee. 2017.
Companion publication of Conference on Korean Society of Design Science (KSDS).
Poster Honor Award

Current Projects

- Investigating how AI and data visualization can help PCOS patients understand complex health data

- Understanding the impact of AI-Assisted journaling on reflection and well-being

Research Experience

09/2024 - present **Interplay Research Studio** [Link]**,** Cornell University
Advisor: Malte Jung
Conducting research on holistic personal health management

09/2021 - 08/2024 **Artifact Lab,** Cornell University
Advisor: Jeffrey Rzeszotarski
Conducting research on designing human-AI interaction to support data analysis

03/2024 - 08/2024 **Dr.Noémie Elhadad's lab**, Columbia University
· Conducting a series of app analyses and a design workshop to design a personal health management tool for PCOS patients
· Exploring the role of a large language model in health data interpretation support

09/2018 - 02/2021 **Make Lab** [Link], KAIST
Advisor: Andrea Bianchi
· Conducting research on interactive data visualization, physical computing, and fabrication

        Road Characteristics Recognition Using Acoustic Feedback and Machine Learning for Adaptive Driving — Wrote a grant proposal for an industry-academic cooperation project with Hyundai Motors and secured $27,000 USD in funding. Served as co-project manager to lead interdisciplinary teams. (09/2019 - 01/2020)

06/2020 - 12/2020 **NH KAIST UX Design Research Center**, KAIST
As a UX trend researcher, published periodicals on the latest UX trends in digital services

06/2017 - 11/2017 **Asan Medical Innovation Center**
· Interviewing doctors, nurses, caregivers, and hospitalized children
· Designed nudge-based interactions to promote physical activity in hospitalized children
· Received $1,800 USD in funding from Samsung

Teaching Experience

Fall 2025	**INFO 4430 - Teams and Technology,** Teaching Assistant, Cornell
Spring 2025,26	**INFO 4940 - Designing AI Products and Services**, Teaching Assistant, Cornell
Fall 2023,24	**INFO/CS 3300 - Data-Driven Web Applications**, Teaching Assistant, Cornell
Spring 2024	**INFO 4310/5311- Interactive Information Visualization**, Teaching Assistant, Cornell
Fall 2022, Spring 2023	**INFO 3450 - Human-Computer Interaction Design**, Teaching Assistant, Cornell

Work Experience

02/2021 - 06/2021	**Ringle** – Seoul, Korea UX/UI designer - Design a learning dashboard to track learning progress and improve motivation - Design an intelligent learning experience for language learners
07/2015 - 08/2015	**Studio Gale** – Pangyo, Korea 3D modeler - Designed and created 3D models for the production of the TV animation 'Pororo'

Invited Talks

2025	T.2	**Advancing Human–AI Interaction and Transforming Research Workflows** Invited talk at Ewha Womans University Generative AI and UX Seminar Host: Juwon Lee
2024	T.1	**Autoethnographic research–Towards Hormone Health: An Autoethnography of Long-Term Holistic Tracking to Manage PCOS** Guest lecture at INFO 4400/5400 Qualitative User Research and Design Methods at Cornell University Host: Gilly Leshed

Service

Paper Review	**CHI** 2022 -2026, **C&C** 2023, **CSCW** 2025 -2026

Conference

CSCW 2025, Bergen, Norway / **CHI 2025**, Yokohama, Japan /
CSCW 2024, San José, Costa Rica / **CHI 2024**, Honolulu, USA /
CHI 2021, Yokohama, Japan (Virtual) / **CHI 2019**, Glasgow, UK / **KSDS 2017**, Dae-gu, Korea

Exchange Experience

01/2020 - 05/2020	**University of Wisconsin-Madison**, Madison, WI, United States
	Exchange Program in Data Science & Human-Computer Interaction
03/2016 - 06/2016	**Luxun Academy of Fine Arts**, Shenyang, China
	Exchange Program in Visual and Communication Arts
09/2014 - 12/2014	**California Institute of the Arts**, California, United States
	Exchange Program in Graphic Design and Animation

Mentoring

* Cornell B.A. in Information Science | ** Cornell MPS in Information Science

2023	Nolan Harrington**, Muhan Zhang**
2023- 2024	Zhuolun Han*, Jiahe Tian*
2024	Vicky Wang*
2025	Harriet Kumah*
2025- 2026	Sulim (Abby) Kim**
2026	Nitish Gannu**

Skills

Research	**Methods**: Qualitative, Quantitative, and Mixed Methods
	Data analysis: Python (Numpy, Pandas), R
	User research: Affinity Diagram, Focus Group Interview, Participatory Design, Idea Workshop, Journey Map, Wizard of Oz
Prototyping	**Software**: React, JavaScript, D3.js, Python, FastAPI, HTML, CSS, Git, JupyterLab extension framework, Machine learning
	Design: Adobe Creative Tool Kits, Figma
Art	Graphic design, Typography, 2D/3D Animation, Traditional/Digital illustrations