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)**, Daejeon, 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)

Publications

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

2025

C11 🏆 **Towards Hormone Health: An Autoethnography of Long-Term Holistic Tracking to Manage PCOS**
Daye Kang, Jingjin Li, Gilly Leshed, Jeffrey Rzeszotarski, and Xi Lu.
ACM Conference on Human Factors in Computing Systems (CHI).
Best Paper Award [Manuscript]

C10 🎗 **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 Jeffrey Rzeszotarski.
ACM Conference on Computer-Supported Cooperative Work and Social Computing (CSCW).
Best Paper Honorable Mention Award [Manuscript]

W9 **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

W8 **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 Jeffrey Rzeszotarski

ACM Designing Interactive Systems (DIS) Workshop – Design Knowledge in AI: Navigating Temporality and Continuity

2024   C7   **Challenges and Opportunities for Tool Adoption in Industrial UX Research Collaborations**
Daye Kang and Jeffrey Rzeszotarski.
ACM Conference on Computer-Supported Cooperative Work and Social Computing (CSCW)
[Manuscript]

W6   **LLM-embedded interactive visual system for iterative theme refinement**
Daye Kang, Zhuolun Han, Jiahe Tian, Muhan Zhang, and Jeffrey Rzeszotarski
ACM Conference on Human Factors in Computing Systems (CHI) Workshop – LLMs as Research Tools: Applications and Evaluations in HCI Data Work

2021   C5   **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).
[Manuscript]

2019   J4   **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).

P3   **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   🏆
C2   **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

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P1   **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

Working Papers

- 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

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

Research Experience

09/2024 - present
Interplay Research Studio [Link]**,** Cornell University
Advisor: Malte Jung
- Conducting a diary study with PCOS patients on holistic personal health management
- Exploring the role of human-AI collaboration in data-driven health data communication

08/2024 - present
Machine Teaching and Human Intelligence Research Group [Link], McMaster University
- Designed an AI-assisted journaling system

03/2024 - 08/2024
Joint research with Dr.Noémie Elhadad, Columbia University
- Conducted a series of app analyses and a design workshop to design a personal health management tool for PCOS patients
- Explored the role of a large language model in health data interpretation support using synthetic health data

09/2021 - 08/2024   **Artifact Lab,** Cornell University

Advisor: Jeffrey Rzeszotarski

- Conducted a series of user interviews with qualitative UX research practitioners to understand how their cross-functional collaboration affects qualitative data analysis; published findings [C7]
- Designed and developed a system embedded with an LLM and interactive data visualizations to support data analysis; published findings [C10]
- Conducted an online crowdsourcing study using Prolific to measure the effect of multimodal LLMs on creative visual imagery; published related workshop paper [W8]
- Conducted autoethnography research for 10 months to understand the limitations of tracking technologies in supporting holistic management of PCOS; published findings [C11]

09/2018 - 02/2021   **Make Lab** [Link], KAIST

Advisor: Andrea Bianchi

- Conducted research on interactive data visualization, including system design and development within the Jupyter Notebook interface and usability evaluation; published findings [C5]
- Assisted research on physical computing and fabrication; published findings [J4][P3]
- Participated in a grant proposal for an industry-academic cooperation project with Hyundai Motors, *"Road Characteristics Recognition Using Acoustic Feedback and Machine Learning for Adaptive Driving,"* 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**

- Interviewed 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
  [Project Link] ; published findings [P1]

01/2017 - 11/2017   **Hongik University**

- Interviewed dyslexic children and their parents, created an affinity diagram, and developed a user journey map to design a Korean education application
  [Project Link] ; published findings [C2]

Work Experience

02/2021 - 06/2021   **Ringle** [Link] – 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** [Link] – Pangyo, Korea
3D Modeling Intern
- Designed and created 3D models for the production of the TV animation 'Pororo'

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

Service

Ad-hoc Reviewer	**CHI** 2022 -2026, **C&C** 2023, **CSCW** 2025 -2026
Associate Chair	**CHI** 2026 Poster Track

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

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**

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

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

Skills

Research **Methods**: Qualitative, Quantitative, and Mixed Methods
Data analysis: Python (Numpy, Pandas), R
User research: Affinity Diagram, In-depth Interviews, Focus Group Interview, Participatory Design, Idea Workshop, Journey Map, Wizard of Oz, Usability Studies, Diary Studies, Surveys, and Contextual Inquiries

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

Other Interests

Growing plants, fishkeeping, and exercising