

Education

- 09/2021 **Cornell University**, Ithaca, NY, United States
- 2027 Exp Ph.D. Candidate in Information Science (Minor in Computer Science)
• Advisor: Malte Jung
- 08/2018 **Korea Advanced Institute of Science and Technology (KAIST)**, Daejeon, Korea
- 02/2021 M.S. in Industrial Design (Specialization: Human-Computer Interaction)
• Advisor: Andrea Bianchi
- 03/2013 **Hongik University**, Seoul, Korea
- 08/2018 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 Bodies
- 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 <i>ACM Conference on Human Factors in Computing Systems (CHI) Workshop – LLMs as Research Tools: Applications and Evaluations in HCI Data Work</i>
2021	C5	ToonNote: Improving Communication in Computational Notebooks Using Interactive Data Comics Daye Kang , Tony Ho, Nicolai Marquardt, Bilge Mutlu, and Andrea Bianchi. <i>ACM Conference on Human Factors in Computing Systems (CHI)</i> . [Manuscript]
2019	J4	HeyTeddy: Conversational Test-Driven Development for Physical Computing Yoonji Kim, Youngkyung Choi, Daye Kang , Minkyong Lee, Tek-Jin Nam, and Andrea Bianchi. <i>ACM Interactive, Mobile, Wearable, and Ubiquitous Technologies (IMWUT)</i> .
	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. <i>Companion publication of ACM Designing Interactive Systems (DIS)</i>
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. <i>Conference on Korean Society of Design Science (KSDS)</i> . Excellence Award
	☞ P1	Nudge Design to Increase Physical Activities for Hospitalized Children Daye Kang , Hye-Min Choi, Ka-Hyun Kim, and Younjoon Lee. 2017. <i>Companion publication of Conference on Korean Society of Design Science (KSDS)</i> . 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 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

Research Experience

- 09/2024 **Interplay Research Studio** [[Link](#)], Cornell University
- Present
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 **Machine Teaching and Human Intelligence Research Group** [[Link](#)], McMaster University
- Present
- Designed an AI-assisted journaling system
- 03/2024 **Joint research with Dr. Noémie Elhadad**, Columbia University
- 08/2024
- Conducted a series of app analyses and a design workshop to design a personal health management tool for PCOS patients
 - Explored the role of large language models in health data interpretation support using synthetic health data
- 09/2021 **Artifact Lab**, Cornell University
- 08/2024
Advisor: Jeffrey Rzeszutarski
- 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; authored a 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 **Make Lab** [[Link](#)], KAIST
- 02/2021
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 **NH KAIST UX Design Research Center**, KAIST
- 12/2020
As a UX trend researcher, published periodicals on the latest UX trends in digital services
- 06/2017 **Asan Medical Innovation Center**
- 11/2017
- 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 **Hongik University**
- 11/2017
- 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 **Ringle** [\[Link\]](#) – Seoul, Korea
- 06/2021 UX/UI Designer
- Designed a learning dashboard to track learning progress and improve motivation
 - Designed an intelligent learning experience for language learners
- 07/2015 **Studio Gale** [\[Link\]](#) – Pangyo, Korea
- 08/2015 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, 2026 **INFO 4940 - Designing AI Products and Services**, Teaching Assistant, Cornell
- Fall 2023, 2024 **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

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**, Daegu, Korea

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

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 Toolkits, Figma
Art	Graphic Design, Typography, 2D/3D Animation, Traditional/Digital Illustrations

Other Interests

Growing plants, Fishkeeping, and Exercising