Daye Kang

RESEARCH	1) Human-AI collaboration in data analysis	
INTERESTS	→ Data analysis of text data, personal informatics in healthcare	
	2) Data-driven visual communication	
	➔ Visual storytelling, self-reflection, creative expression	
EDUCATION	Cornell University , Ithaca, NY, United States	09/2021 - present
	Ph.D. Student in Information Science	F
	Advisor: Jeff Rzeszotarski	
	Korea Advanced Institute of Science and Technology (KAIST), Deajeon, Korea	08/2018 -
	M.S. in Industrial Design (Specialization: Human-Computer Interaction)	02/2021
	 Thesis: Improving Communication in Computational Notebooks Using Interactive Data Comics Advisor: Andrea Bianchi 	
	University of Wisconsin-Madison, Madison, WI, United States	01/2020 -
	Exchange Program in Data Science & Human-Computer Interaction	05/2020
	Hongik University, Seoul, Korea	03/2013 -
	B.F.A. in Visual Communication Design (Specialization: UX Research)	08/2018
	• Thesis: Lexia in Wonderland: Korean Education Service for Children with Dyslexia	
	California Institute of the Arts, California, United States	09/2014 - 12/2014
	Exchange Program in Graphic Design and Animation	12/2014
	Luxun Academy of Fine Arts, Shenyang, China	03/2016 -
	Exchange Program in Visual and Communication Art	06/2016
ONGOING	1) Investigate the effect of the different modalities of generative AI on creative visu	al imagery
PROJECTS	2) Understanding the needs of PCOS patients to design a self-monitoring tool	
PUBLICATIONS	The titles of papers currently under review are edited to maintain anonymity in paer review	

CONFERENCE

The titles of papers currently under review are edited to maintain anonymity in peer review.

Human-AI Collaboration in Iterative Theme Refinement with an LLM-embedded Interactive Visual System

Daye Kang, Frank Han, Jiahe Tian, Muhan Zhang, and Jeff Rzeszotarski. 2024. (UIST' 24). (Under review).

Challenges in Qualitative UX Research in Multi-Stakeholder Collaboration Daye Kang, and Jeff Rzeszotarski. 2024. (CSCW' 24).

	ToonNote: Improving Communication in Computational Notebooks Using Inte Data Comics Daye Kang , Tony Ho, Nicolai Marquardt, Bilge Mutlu, and Andrea Bianchi. 2021. In Proceedings of the 2021 CHI Conference on Human Factors in Computing Systems (C	
	HeyTeddy: Conversational Test-Driven Development for Physical Computing Yoonji Kim, Youngkyung Choi, Daye Kang , Minkyeong Lee, Tek-Jin Nam, and Andrea Bianchi. 2020. Proc. ACM Interact. Mob. Wearable Ubiquitous Technol. 3, 4, Article 13 (December 2019), 21 pages (IMWUT' 19).	
	Lexia in Wonderland: Korean Education Service for Children with Dyslexia Daye Kang , Hye-Ryeong Kim, Ji-Hae Lee, Jae Young Yun. 2017. Conference on Korea Society of Design Science (KSDS' 17).	n
POSTER	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. Confer Designing Interactive Systems (DIS '19).	ence on
	Nudge Design to Increase Physical Activities for Hospitalized Children Daye Kang, Hye-Min Choi, Ka-Hyun Kim, and Younjoon Lee. 2017. Conference on Ko Society of Design Science (KSDS '17).	orean
RESEARCH EXPERIENCE	Cornell University , Ithaca, NY, United States Research Assistant — Advisor: Jeff Rzeszotarski Designing and developing human-AI interaction in data analysis to support non-AI experts	09/2021 - present
	Ringle , Seoul, Korea UX/UI designer Collaborating with Kixlab <u>[Link]</u> to design AI-assisted English language learning interfaces	02/2021 - 06/2021
	Korea Advanced Institute of Science and Technology, Deajeon, Korea	
	MAKInteract Lab [Link] Research Assistant — Advisor: Andrea Bianchi Proposing projects, conducting user studies, participating in industrial projects	09/2018 - 02/2020
	NH KAIST Research Center UX Trend Researcher Published periodicals on the latest UX trends in digital services	06/2020 - 12/2020
	Hyundai Motors , Co-project Manager — Advisor: Andrea Bianchi Proposed 'Road Characteristics Recognition Using Acoustic Feedback and Machine Learning for Adaptive Driving'	09/2019 - 01/2020
	Color Lab [<u>Link</u>], Research Assistant Developing scenarios for an adaptive display for idling TVs	06/2019 - 08/2019

Hongik University, Seoul, Korea

	Asan Medical Innovation Center, Research Assistant Interviewing doctors, nurses, caregivers, and hospitalized children Designed a game to promote a sense of belonging among family members 	06/2017 - 11/2017
AWARDS AND	Graduate Working Group fellowship, Media Studies Initiative, Cornell University	2023- 2024
HONORS	Grant for a regular working group with the topic of Generative AI	2024
	Best Master's Thesis Award, Department of Industrial Design, KAIST	2021
	NoteToon: Exploring the Effects of Visual Narratives within the Notebook Interface to Improve Communication	
	Korean Government Scholarship , Korea Ministry of Science and Technology Scholarship for promising master students	2018 - 2021
	Adobe Design Achievement Awards (Semifinalist) , Adobe Social Impact - Web/App/Game Design — Korean education app for Dyslexic children 'Lexia in Wonderland' [<u>Link]</u>	2017
	Dean's Award , Hongik University Academic Achievement & Research Publication at Korean Society of Design Science	
	Graduation Project Excellence Award , Visual Communication Design Department 'Lexia in Wonderland: Korean Education Service for Children with Dyslexia'	
	Excellence Paper Award , Korean Society of Design Science 'Lexia in Wonderland: Korean Education Service for Children with Dyslexia'	
	Poster Honor Award, Korean Society of Design Science 'Nudge Design to Increase Physical Activities for Hospitalized Children'	
	Excellence Award, Times Young Creative Awards 2D & 3D animation advertisement for candy brand 'QinQin Hou'	2016
TEACHING ASSISTANT	INFO3300 - Data-Driven Web Applications , Cornell Interactive data visualization using D3.js	Fall 2023
	INFO3450 - Human-Computer Interaction Design , Cornell UX/UI design from user research to prototyping	Spring 2022
	INFO3450 - Human-Computer Interaction Design , Cornell UX/UI design from user research to prototyping	Fall 2022
	ID220 - Interaction Prototyping , KAIST Physical computing & Processing (Java) building interactive prototypes	Fall 2019

		i entific Writing , KAIST <i>r</i> riting in English in CHI format using LaTeX (Overleaf)	Spring 2019
		e a & Expression , KAIST rawing and creating 3D objects using traditional materials	Fall 2018
WORK EXPERIENCE	- Design lea	gn Intern , Ringle arning dashboard to track learning progress and to improve motivation I analysis to users	02/2021 - 06/2021
		ing Intern , Studio Gale nd created 3D models for the production of the TV animation 'Pororo'	07/2015 - 08/2015
		•	
CONFERENCE		Honolulu, USA / CHI 2021 , Yokohama, Japan (Virtual) / CHI 2019 , Glasgow, UK / /, Dae-gu, Korea	
	CHI 2024, F KSDS 2017	, Dae-gu, Korea	
	CHI 2024, F KSDS 2017	, Dae-gu, Korea Methods: Qualitative, Quantitative, and Mixed Methods	у,
	CHI 2024, F KSDS 2017	, Dae-gu, Korea Methods: Qualitative, Quantitative, and Mixed Methods Data analysis : Python (Numpy, Pandas), R	у,
CONFERENCE	CHI 2024, F KSDS 2017	, Dae-gu, Korea Methods: Qualitative, Quantitative, and Mixed Methods Data analysis : Python (Numpy, Pandas), R User research : Affinity Diagram, Focus Group Interview, Ethnography	
	CHI 2024, F KSDS 2017 Research	Methods: Qualitative, Quantitative, and Mixed Methods Data analysis: Python (Numpy, Pandas), R User research: Affinity Diagram, Focus Group Interview, Ethnography Participatory Design, Idea Workshop, Journey Map, Wizard of Oz Software: React, Javascript, D3.js, Python, FastAPI, HTML, CSS, Git, Ju	

INTERESTS

Growing plants, fitness, and cooking