

Donghoon Shin

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EDUCATION	University of Washington , Seattle, WA	Sep 2022 –
	<ul style="list-style-type: none">Ph.D., Human Centered Design & Engineering<ul style="list-style-type: none">Advisor: Profs. Gary Hsieh & Lucy Lu Wang	
	Seoul National University , Seoul, Republic of Korea	Mar 2016 – Aug 2022
	<ul style="list-style-type: none">B.S., Electrical & Computer Engineering, Information Science<ul style="list-style-type: none">Graduated <i>cum laude</i>	
RESEARCH INTERESTS	Human-Computer Interaction (HCI) <ul style="list-style-type: none">Human-AI Collaboration, Generative AI, Translational Science, Healthcare, Conversational Agent.	
RESEARCH EXPERIENCE	Adobe Research , San Jose, CA	Summer 2024
	<ul style="list-style-type: none">Incoming research intern (Mentor: Gromit Yeuk-Yin Chan)	
	Naver AI Lab , Seongnam, Korea	Summer 2023
	<ul style="list-style-type: none">Research intern (Mentor: Young-Ho Kim)	
	CoALA Lab & Data Interaction Group , Carnegie Mellon University	Nov 2020 – Jan 2022
	<ul style="list-style-type: none">Undergraduate research intern (Mentor: Kenneth Holstein & Adam Perer)	
	HCI+d Lab , Seoul National University	Aug 2019 – Oct 2020
	<ul style="list-style-type: none">Undergraduate research intern (Mentor: Joonhwan Lee)	
PUBLICATIONS	CONFERENCE & JOURNAL PAPER	
	[P10] From Text to Card: Transforming Design Implications with Generative AI Donghoon Shin , Lucy Lu Wang, Gary Hsieh <i>CHI 2024. (Under review)</i>	
	[P9] AI-Assisted Causal Pathway Diagram for Human-Centered Design Ruican Zhong*, Donghoon Shin *, Rosemary Meza, Predrag Klasnja, Lucas Colusso, Gary Hsieh *co-first authorship <i>CHI 2024. (Under review)</i>	
	[P8] DiaryMate: Understanding User Perceptions and Experience in Human-AI Collaboration for Personal Journaling Taewan Kim, Donghoon Shin , Young-Ho Kim, Hwajung Hong <i>CHI 2024. (Under review)</i>	
	[P7] PlanFitting: Tailoring Personalized Exercise Plans with Large Language Models Donghoon Shin , Gary Hsieh, Young-Ho Kim <i>arXiv 2023.</i>	
	[P6] IntroBot: Exploring the Use of Chatbot-assisted Familiarization in Online Collaborative Groups Donghoon Shin , Soomin Kim, Ruoxi Shang, Joonhwan Lee, Gary Hsieh <i>CHI 2023.</i>	
	[P5] How Older Adults Use Online Videos for Learning Seoyoung Kim, Donghoon Shin , Jeongyeon Kim, Sunwoo Kim, Juho Kim <i>CHI 2023.</i>	

- [P4] Evaluating the Impact of Human Explanation Strategies on Human-AI Visual Decision-Making
Katelyn Morrison, **Donghoon Shin**, Kenneth Holstein, Adam Perer
CSCW 2023.
- [P3] Trkic G00gle: Why and How Users Game Translation Algorithms
Soomin Kim, Changhoon Oh, Won Ik Cho, **Donghoon Shin**, Bongwon Suh, Joonhwan Lee
CSCW 2021.
- [P2] Design Guidelines of Computer-based Intervention for Computer Vision Syndrome: Focus Group Study and In-the-wild Deployment
Youjin Hwang, **Donghoon Shin**, Jinsu Eun, Bongwon Suh, Joonhwan Lee
Journal of Medical Internet Research 23(3), 2021.
- [P1] TalkingBoogie: Collaborative Mobile AAC System for Children with Developmental Disabilities and Their Caregivers
Donghoon Shin, Jaeyoon Song, Seokwoo Song, Jisoo Park, Joonhwan Lee, Soojin Jun
CHI 2020.
🏆 Honorable Mention Award (top 5% among all submissions)

POSTER & WORKSHOP PAPER

- [W7] 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. (Intelligent and Interactive Writing Assistants)
- [W6] Exploring the Effects of AI-assisted Emotional Support Processes in Online Mental Health Community
Donghoon Shin, Subeen Park, Esther Hehsun Kim, Soomin Kim, Jinwook Seo, Hwajung Hong
CHI 2022 Extended Abstracts. (Late-Breaking Work)
- [W5] Leveraging AI to Assist Emotional Supports in Online Mental Health Community
Donghoon Shin, Subeen Park, Esther Hehsun Kim, Soomin Kim, Jinwook Seo, Hwajung Hong
CHI 2022 Workshop. (Future of Emotion in HCI)
- [W4] Characterizing Human Explanation Strategies to Inform the Design of Explainable AI for Building Damage Assessment
Donghoon Shin, Sachin Grover, Kenneth Holstein, Adam Perer
NeurIPS 2021 Workshop. (AI for Humanitarian Assistance and Disaster Response)
- [W3] BlahBlahBot: Facilitating Conversation between Strangers using a Chatbot with ML-infused Personalized Topic Suggestion
Donghoon Shin, Sangwon Yoon, Soomin Kim, Joonhwan Lee
CHI 2021 Extended Abstracts. (Late-Breaking Work)
- [W2] Linguistic Features to Consider When Applying Persona of the Real Persona to the Text-based Agent
Youjin Hwang, Seokwoo Song, **Donghoon Shin**, Joonhwan Lee
MobileHCI 2020 Extended Abstracts. (Late-Breaking Results)
- [W1] Applying the Persona of User's Family Member and the Doctor to the Conversational Agents for Healthcare
Youjin Hwang, **Donghoon Shin**, Sion Baek, Bongwon Suh, Joonhwan Lee
CHI 2020 Workshop. (Conversational Agents for Health and Wellbeing)

DOMESTIC CONFERENCE PAPER & TECHNICAL REPORT

- [D2] AmslerTouch: Self-testing Amsler Grid Application for Supporting a Quantitative Report of Age-related Macular Degeneration Symptoms

Donghoon Shin

HCIK 2022.

[D1] An Analysis of K-MOOC Learners' Data and an Investigation of Its Future Applications
Seoyoung Kim, Sunwoo Kwon, **Donghoon Shin**, Juho Kim
Issue paper of Korea's National Institute for Lifelong Education, 2019.

PATENT

[C1] Method and Apparatus for Mimicking Conversational Style Mar 2021
Youjin Hwang, Joonhwan Lee, **Donghoon Shin**
Republic of Korea Patent (10-2021-0032858)

**AWARDS &
HONORS**

Graduate School Conference Presentation Award, University of Washington Apr 2023

- Conference presentation award for presenting a paper at CHI conference

Korean Government Scholarship for Overseas Study, Republic of Korea Aug 2022

- Merit-based scholarship for graduate studies funded by the Korean government
- Around 50 recipients selected annually

Graduate School Fellowship, University of Washington Jun 2022

- Selected by the department

Gary Marsden Travel Award, ACM SIGCHI Apr 2022

- Travel grant for attending CHI 2022

Special Recognition for Outstanding Reviews, ACM CHI 2022 Nov 2021

- Recognition for the paper review

Honorable Mention Award, ACM CHI 2020 Apr 2020

- Selected among the top 5% of paper submissions

Presidential Science Scholarship, Republic of Korea 2020 – 2021

- Merit-based scholarship for undergraduate studies funded by the Korean government
- Around 150 recipients selected annually

Conference and Travel Scholarship, Google Feb 2020

- Travel grant for attending CHI 2020 (travel canceled due to COVID-19)

Best Undergraduate Research Award, Seoul National University Jan 2020

- Ranked 1st among all the undergraduate research projects in 2019

Undergraduate Research Grant, Seoul National University May 2019, May 2021

- \$5,000 research grant
 - Designing a mobile system for supporting a group counseling for managing anxiety (May 2021)
 - Designing a collaborative AAC system for children with developmental disabilities (May 2019)

Merit-based Scholarship, Seoul National University Fall 2016, Fall 2017

- Undergraduate merit-based scholarship

**TEACHING
EXPERIENCE**

Teaching Assistant, HCDE 538 (Designing For Behavior Change) Fall 2023

Invited Keynote, 2114.408A (HCI Theory and Practice) Apr 2022

Undergraduate Teaching Assistant, L0444.000400 (Basic Computing) Summer 2021

Invited Keynote, Dept. of Information Science & Culture Oct 2018, Apr 2020

- Undergraduate seminar
 - Introduction to iOS Programming (Oct 2018), Doing the HCI research as an undergrad (Apr 2020)

WORK EXPERIENCE	iOS developer , elecle <ul style="list-style-type: none"> ▪ Korean electric-bike sharing service startup 	Apr 2020 – Jun 2021
SERVICES	Ph.D. Student Admission Reviewer , UW HCDE <ul style="list-style-type: none"> ▪ Student reviewer for the Ph.D. admission Reviewer <ul style="list-style-type: none"> ▪ CHI (2020 - 2024) ▪ DIS (2023) ▪ MobileHCI (2021) ▪ Journal of Medical Internet Research (2021) Student Volunteer <ul style="list-style-type: none"> ▪ MobileHCI (2021) 	Dec 2022
COMMUNITY SERVICES	Wholsee , Seoul, Republic of Korea <ul style="list-style-type: none"> ▪ A crowdfunded scholarship for supporting the higher education of low-income women 	Dec 2020 – Jan 2021
SKILLS	Languages: Korean (Native), English (Full professional proficiency) Programming: Swift, Python, Javascript (Svelte), C++, Processing, etc. Designing: Adobe Photoshop, Adobe Illustrator, Figma Others: L ^A T _E X, Microsoft PowerPoint / Word / Excel, etc.	
REFERENCES	Gary Hsieh <ul style="list-style-type: none"> ▪ Associate Professor, University of Washington Lucy Lu Wang <ul style="list-style-type: none"> ▪ Assistant Professor, University of Washington Joonhwan Lee <ul style="list-style-type: none"> ▪ Professor, Seoul National University 	

[Last update: November 14, 2023]