

Donghoon Shin

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EDUCATION	University of Washington , Seattle, WA	2022 – Present
	<ul style="list-style-type: none">▪ Ph.D., Human Centered Design and Engineering▪ M.S., Human Centered Design and Engineering (concurrent with Ph.D.)<ul style="list-style-type: none">• Advisor: Gary Hsieh & Lucy Lu Wang	
	Seoul National University , Seoul, Korea	2016 – 2022
	<ul style="list-style-type: none">▪ B.S., Electrical and Computer Engineering; B.A., Information Science<ul style="list-style-type: none">• Honors: Korean Presidential Science Scholar, cum laude	
EMPLOYMENT	Microsoft Research , New York, NY	Jun 2025 – Sep 2025
	<ul style="list-style-type: none">▪ Incoming research Intern (Mentor: Danielle Bragg)	
	Google Research , Seattle, WA	Dec 2024 – Present
	<ul style="list-style-type: none">▪ Student Researcher (Mentor: Divy Thakkar, Anoop Sinha)	
	Adobe Research , San Jose, CA	Jun 2024 – Oct 2024
	<ul style="list-style-type: none">▪ Research Intern (Mentor: Gromit Chan)	
	Naver AI , Seongnam, Korea	Jun 2023 – Sep 2023
	<ul style="list-style-type: none">▪ Research Intern (Mentor: Young-Ho Kim)	
	Elecle , Seoul, Korea	Apr 2020 – Jun 2021
	<ul style="list-style-type: none">▪ Software Engineer	
PUBLICATIONS	CONFERENCE & JOURNAL PAPER	
	[P14] What About My Design Context?: Exploring the Use of Generative AI to Support Customization of Translational Research Artifacts	
	Donghoon Shin , Alex Chen, Gary Hsieh, Lucy Lu Wang	
	<i>DIS 2025. (to appear)</i>	
	[P13] PlanFitting: Personalized Exercise Planning with Large Language Model-driven Conversational Agent	
	Donghoon Shin , Gary Hsieh, Young-Ho Kim	
	<i>CUI 2025. (to appear)</i>	
	[P12] ImagineAR: AI-Assisted In-Situ Authoring in Augmented Reality	
	Jaewook Lee, Filippo Aleotti, Diego Mazala, Guillermo Garcia-Hernando, Sara Vicente, Oliver James Johnston, Isabel Kraus-Liang, Donghoon Shin , Jon E. Froehlich, Gabriel Brostow, Jessica Van Brummelen	
	<i>arXiv preprint, 2025.</i>	
	[P11] Genomic Data Processing with GenomeFlow	
	Junseok Park, Eduardo A. Maury, Changhoon Oh, Donghoon Shin , Danielle Denisko, Eunjung Alice Lee	
	<i>arXiv preprint, 2025.</i>	
	[P10] From Paper to Card: Transforming Design Implications with Generative AI	
	Donghoon Shin , Lucy Lu Wang, Gary Hsieh	
	<i>CHI 2024.</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

CHI 2024.

- [P8] DiaryMate: Understanding User Perceptions and Experience in Human-AI Collaboration for Personal Journaling

Taewan Kim, **Donghoon Shin**, Young-Ho Kim, Hwajung Hong

CHI 2024.

- [P7] IntroBot: Exploring the Use of Chatbot-assisted Familiarization in Online Collaborative Groups

Donghoon Shin, Soomin Kim, Ruoxi Shang, Joonhwan Lee, Gary Hsieh

CHI 2023.

- [P6] How Older Adults Use Online Videos for Learning

Seoyoung Kim, **Donghoon Shin**, Jeongyeon Kim, Sunwoo Kim, Juho Kim

CHI 2023.

- [P5] Evaluating the Impact of Human Explanation Strategies on Human-AI Visual Decision-Making

Katelyn Morrison, **Donghoon Shin**, Kenneth Holstein, Adam Perer

CSCW 2023.

- [P4] AmslerTouch: Self-testing Amsler Grid Application for Supporting a Quantitative Report of AMD Symptoms

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HCIK 2022.

- [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

	<p>Donghoon Shin, Sachin Grover, Kenneth Holstein, Adam Perer <i>NeurIPS 2021 Workshop. (AI for Humanitarian Assistance and Disaster Response)</i></p> <p>[W3] BlahBlahBot: Facilitating Conversation between Strangers using a Chatbot with ML-infused Personalized Topic Suggestion Donghoon Shin, Sangwon Yoon, Soomin Kim, Joonhwan Lee <i>CHI 2021 Extended Abstracts. (Late-Breaking Work)</i></p> <p>[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 <i>MobileHCI 2020 Extended Abstracts. (Late-Breaking Results)</i></p> <p>[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 <i>CHI 2020 Workshop. (Conversational Agents for Health and Wellbeing)</i></p>	
PATENT	<p>[C1] Method and Apparatus for Mimicking Conversational Style Youjin Hwang, Joonhwan Lee, Donghoon Shin Republic of Korea Patent (10-2021-0032858)</p>	Mar 2021
AWARDS & HONORS	<p>Graduate School Conference Presentation Award, University of Washington ■ Conference presentation award for presenting a paper at the CHI conference (\$500)</p> <p>Korean Government Scholar for Overseas Study, Republic of Korea ■ Around 50 postgrads selected annually nationwide (\$80,000)</p> <p>Graduate School Fellowship, University of Washington ■ Fellowship awarded to the selected incoming Ph.D. students (\$1,400)</p> <p>Gary Marsden Travel Award, ACM SIGCHI ■ Travel grant for attending the CHI conference</p> <p>Special Recognition for Outstanding Reviews, ACM CHI 2022 ■ Recognition for the paper review</p> <p>Honorable Mention Award, ACM CHI 2020 ■ Selected among the top 5% of paper submissions</p> <p>Presidential Science Scholarship, Republic of Korea ■ Around 120 undergrads selected annually nationwide (\$20,000)</p> <p>Conference and Travel Scholarship, Google ■ Travel grant for attending the CHI conference (travel canceled due to COVID-19)</p> <p>Best Undergraduate Research Award, Seoul National University ■ Ranked 1st among all the undergraduate research projects in 2019</p> <p>Undergraduate Research Grant, Seoul National University ■ Research grant for undergraduate research projects (\$5,000)</p> <p>Merit-based Scholarship, Seoul National University ■ Undergraduate merit-based scholarship</p>	<p>2023</p> <p>2022 – 2024</p> <p>2022</p> <p>2022</p> <p>2021</p> <p>2020</p> <p>2020 – 2021</p> <p>2020</p> <p>2020</p> <p>2019, 2021</p> <p>2016, 2017</p>
INVITED TALK	<p>LLM seminar (OMSCS 8001), Georgia Tech ■ Generative AI for translational science and design</p>	Jun 2025

	Graduate School of AI , Chung-Ang University	Jun 2025
	▪ Generative AI for translational science and design	
	Graduate School of Information , Yonsei University	Jun 2025
	▪ Generative AI for translational science and design	
	Azure , Microsoft	Jun 2024
	▪ AI-assisted causal pathway diagramming for human-centered design	
	Dept. of Computer Science & Engineering , Seoul National University	May 2024
	▪ AI-assisted translational science for designers	
	HCI Theory and Practice (2114.408A) , Seoul National University	Apr 2022
	▪ Designing and building an AI-assisted support for online mental health communities	
	Dept. of Information Science , Seoul National University	Apr 2020
	▪ Conducting an HCI research project as an undergrad	
	Dept. of Information Science , Seoul National University	Oct 2018
	▪ Introduction to iOS programming	
TEACHING EXPERIENCE	Graduate Teaching Assistant , University of Washington	
	▪ HCDE 310: Interactive Systems Design And Technology (Spring 2025)	
	▪ HCDE 351: UX Prototyping Techniques (Winter 2025)	
	▪ HCDE 438: Web Technologies (Autumn 2024)	
	▪ HCDE 511: Information Visualization (Winter 2024)	
	▪ HCDE 538: Designing For Behavior Change (Fall 2023)	
	Undergraduate Teaching Assistant , Seoul National University	
	▪ L0444.000400: Basic Computing (Summer 2021)	
RESEARCH EXPERIENCE	CoALA Lab & Data Interaction Group , Carnegie Mellon University	Nov 2020 – Jan 2022
	▪ Undergraduate research intern (Mentor: Kenneth Holstein & Adam Perer)	
	HCI+d Lab , Seoul National University	Aug 2019 – Oct 2020
	▪ Undergraduate research intern (Mentor: Joonhwan Lee)	
SERVICES	Program Committee	
	▪ ACM CHI (2024, 2025), ACM IUI (2025)	
	Reviewer	
	▪ ACM UIST (2025), ACM CHI (2020 – 2025), ACM DIS (2023, 2025), ACM IUI (2025), ACM CSCW (2024), ACM MobileHCI (2021), JMIR (2021)	
	Ph.D. Student Admission Reviewer , UW HCDE	2022
	Student Volunteer	
	▪ ACM ISS (2020)	
MENTORSHIP	Gloria Guo , Masters student at UW HCDE	2024 – Present
	Tony Zhou , Undergraduate student at UW CSE	2024 – Present
	Subin Jo , Undergraduate student at UW HCDE	2024
	Ivy Tseng , Masters student at UW MHCI+D	2024
	Yung-Jan Chang , Masters student at UW HCDE	2024

Shin Hu, Undergraduate student at UW iSchool

2024

Rebecca Tang, Masters student at UW HCDE

2024

PRESS
COVERAGE

The Research behind Project Get Savvy: A team of expert AI agents helps marketers design powerful campaigns, Adobe Research

서울대학교 전기정보공학부 전공소개, Seoul National University

REFERENCES

Gary Hsieh

▪ Associate Professor, University of Washington

Lucy Lu Wang

▪ Assistant Professor, University of Washington

Joonhwan Lee

▪ Professor, Seoul National University

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