

# Donghoon Shin

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EDUCATION	<b>University of Washington</b> , Seattle, WA	2022 –
	<ul style="list-style-type: none"><li>▪ Ph.D., Human Centered Design &amp; Engineering</li><li>▪ M.S., Human Centered Design &amp; Engineering (concurrent with Ph.D.)<ul style="list-style-type: none"><li>• Advisor: Gary Hsieh &amp; Lucy Lu Wang</li></ul></li></ul>	
	<b>Seoul National University</b> , Seoul, Korea	2016 – 2022
	<ul style="list-style-type: none"><li>▪ B.S., Electrical &amp; Computer Engineering, Information Science<ul style="list-style-type: none"><li>• Honors: Korean Presidential Science Scholar, cum laude</li></ul></li></ul>	
EMPLOYMENT	<b>Microsoft Research</b> , New York, NY	Jun 2025 – Sep 2025
	<ul style="list-style-type: none"><li>▪ Research Intern (Mentor: Danielle Bragg)</li></ul>	
	<b>Google Research</b> , Seattle, WA	Dec 2024 – May 2025
	<ul style="list-style-type: none"><li>▪ Student Researcher (Mentor: Divy Thakkar, Anoop Sinha)</li></ul>	
	<b>Adobe Research</b> , San Jose, CA	Jun 2024 – Oct 2024
	<ul style="list-style-type: none"><li>▪ Research Intern (Mentor: Gromit Chan)</li></ul>	
	<b>Naver AI</b> , Seongnam, Korea	Jun 2023 – Sep 2023
	<ul style="list-style-type: none"><li>▪ Research Intern (Mentor: Young-Ho Kim)</li></ul>	
	<b>Elecle</b> , Seoul, Korea	Apr 2020 – Jun 2021
	<ul style="list-style-type: none"><li>▪ Software Engineer</li></ul>	
PUBLICATIONS	<b>CONFERENCE &amp; JOURNAL PAPER</b>	
	[P14] What About My Design Context?: Exploring the Use of Generative AI to Support Customization of Translational Research Artifacts	
	<b>Donghoon Shin</b> , 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	
	<b>Donghoon Shin</b> , 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, <b>Donghoon Shin</b> , 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, <b>Donghoon Shin</b> , Danielle Denisko, Eunjung Alice Lee	
	<i>arXiv preprint, 2025</i>	
	[P10] From Paper to Card: Transforming Design Implications with Generative AI	
	<b>Donghoon Shin</b> , 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

**Donghoon Shin**

*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

**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)*

## 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

2023

- Conference presentation award for presenting a paper at the CHI conference (\$500)

**Korean Government Scholar for Overseas Study**, Republic of Korea

2022 – 2024

- Around 50 postgrads selected annually nationwide (\$80,000)

**Graduate School Fellowship**, University of Washington

2022

- Fellowship awarded to the selected incoming Ph.D. students (\$1,400)

**Gary Marsden Travel Award**, ACM SIGCHI

2022

- Travel grant for attending the CHI conference

**Special Recognition for Outstanding Reviews**, ACM CHI 2022

2021

- Recognition for the paper review

**Honorable Mention Award**, ACM CHI 2020

2020

- Selected among the top 5% of paper submissions

**Presidential Science Scholarship**, Republic of Korea

2020 – 2021

- Around 120 undergrads selected annually nationwide (\$20,000)

**Conference and Travel Scholarship**, Google

2020

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

**Best Undergraduate Research Award**, Seoul National University

2020

- Ranked 1<sup>st</sup> among all the undergraduate research projects in 2019

**Undergraduate Research Grant**, Seoul National University

2019, 2021

- Research grant for undergraduate research projects (\$5,000)

**Merit-based Scholarship**, Seoul National University

2016, 2017

- Undergraduate merit-based scholarship

## INVITED TALK

**Azure**, Microsoft

Jun 2024

- AI-assisted causal pathway diagramming for human-centered design

**Dept. of Computer Science & Engineering**, Seoul National University

May 2024

	<ul style="list-style-type: none"> <li>▪ AI-assisted translational science for designers</li> </ul>	
	<b>HCI Theory and Practice (2114.408A)</b> , Seoul National University	Apr 2022
	<ul style="list-style-type: none"> <li>▪ Designing and building AI-assisted support for online mental health communities</li> </ul>	
	<b>Dept. of Information Science</b> , Seoul National University	Apr 2020
	<ul style="list-style-type: none"> <li>▪ Conducting an HCI research project as an undergrad</li> </ul>	
	<b>Dept. of Information Science</b> , Seoul National University	Oct 2018
	<ul style="list-style-type: none"> <li>▪ Introduction to iOS programming</li> </ul>	
<b>TEACHING EXPERIENCE</b>	<p><b>Graduate Teaching Assistant</b>, University of Washington</p> <ul style="list-style-type: none"> <li>▪ HCDE 351: UX Prototyping Techniques (Winter 2025)</li> <li>▪ HCDE 438: Web Technologies (Autumn 2024)</li> <li>▪ HCDE 511: Information Visualization (Winter 2024)</li> <li>▪ HCDE 538: Designing For Behavior Change (Fall 2023)</li> </ul> <p><b>Undergraduate Teaching Assistant</b>, Seoul National University</p> <ul style="list-style-type: none"> <li>▪ L0444.000400: Basic Computing (Summer 2021)</li> </ul>	
<b>RESEARCH EXPERIENCE</b>	<p><b>CoALA Lab &amp; Data Interaction Group</b>, Carnegie Mellon University</p> <ul style="list-style-type: none"> <li>▪ Undergraduate research intern (Mentor: Kenneth Holstein &amp; Adam Perer)</li> </ul>	Nov 2020 – Jan 2022
	<b>HCI+d Lab</b> , Seoul National University	Aug 2019 – Oct 2020
	<ul style="list-style-type: none"> <li>▪ Undergraduate research intern (Mentor: Joonhwan Lee)</li> </ul>	
<b>SERVICES</b>	<p><b>Program Committee</b></p> <ul style="list-style-type: none"> <li>▪ ACM CHI (2024, 2025), ACM IUI (2025)</li> </ul> <p><b>Reviewer</b></p> <ul style="list-style-type: none"> <li>▪ ACM UIST (2025), ACM CHI (2020 – 2025), ACM DIS (2023, 2025), ACM IUI (2025), ACM CSCW (2024), ACM MobileHCI (2021), JMIR (2021)</li> </ul> <p><b>Ph.D. Student Admission Reviewer</b>, UW HCDE</p> <p><b>Student Volunteer</b></p> <ul style="list-style-type: none"> <li>▪ ACM ISS (2020)</li> </ul>	2022
<b>MENTORSHIP</b>	<p><b>Gloria Guo</b>, Masters student at UW HCDE</p> <p><b>Tony Zhou</b>, Undergraduate student at UW CSE</p> <p><b>Subin Jo</b>, Undergraduate student at UW HCDE</p> <p><b>Ivy Tseng</b>, Masters student at UW MHCI+D</p> <p><b>Yung-Jan Chang</b>, Masters student at UW HCDE</p> <p><b>Shin Hu</b>, Undergraduate student at UW iSchool</p> <p><b>Rebecca Tang</b>, Masters student at UW HCDE</p>	2024 – 2024 – 2024 2024 2024 2024 2024
<b>REFERENCES</b>	<p><b>Gary Hsieh</b></p> <ul style="list-style-type: none"> <li>▪ Associate Professor, University of Washington</li> </ul> <p><b>Lucy Lu Wang</b></p> <ul style="list-style-type: none"> <li>▪ Assistant Professor, University of Washington</li> </ul> <p><b>Joonhwan Lee</b></p>	

- Professor, Seoul National University

*[Last update: May 1, 2025]*