


# 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>Google Research</b> , Seattle, WA	Dec 2024 –
	<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>Nine2one</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>	
	[P10] From Paper to Card: Transforming Design Implications with Generative AI <b>Donghoon Shin</b> , Lucy Lu Wang, Gary Hsieh <i>CHI 2024. (26.4% acceptance rate)</i>	
	[P9] AI-Assisted Causal Pathway Diagram for Human-Centered Design <b>Ruican Zhong*</b> , <b>Donghoon Shin*</b> , Rosemary Meza, Predrag Klasnja, Lucas Colusso, Gary Hsieh *co-first authorship <i>CHI 2024. (26.4% acceptance rate)</i>	
	[P8] DiaryMate: Understanding User Perceptions and Experience in Human-AI Collaboration for Personal Journaling Taewan Kim, <b>Donghoon Shin</b> , Young-Ho Kim, Hwajung Hong <i>CHI 2024. (26.4% acceptance rate)</i>	
	[P7] IntroBot: Exploring the Use of Chatbot-assisted Familiarization in Online Collaborative Groups <b>Donghoon Shin</b> , Soomin Kim, Ruoxi Shang, Joonhwan Lee, Gary Hsieh <i>CHI 2023. (27.6% acceptance rate)</i>	
	[P6] How Older Adults Use Online Videos for Learning Seoyoung Kim, <b>Donghoon Shin</b> , Jeongyeon Kim, Sunwoo Kim, Juho Kim <i>CHI 2023. (27.6% acceptance rate)</i>	
	[P5] Evaluating the Impact of Human Explanation Strategies on Human-AI Visual Decision-Making Katelyn Morrison, <b>Donghoon Shin</b> , Kenneth Holstein, Adam Perer <i>CSCW 2023.</i>	

- [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. (24.3% acceptance rate)*  
 **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  
Youjin Hwang, Joonhwan Lee, **Donghoon Shin**  
Republic of Korea Patent (10-2021-0032858) Mar 2021

<b>AWARDS &amp; HONORS</b>	<b>Graduate School Conference Presentation Award</b> , University of Washington	2023
	▪ Conference presentation award for presenting a paper at the CHI conference (\$500)	
	<b>Korean Government Scholar for Overseas Study</b> , Republic of Korea	2022 – 2024
	▪ Around 50 postgrads selected annually nationwide (\$80,000)	
	<b>Graduate School Fellowship</b> , University of Washington	2022
	▪ Fellowship awarded to the selected incoming Ph.D. students (\$1,400)	
	<b>Gary Marsden Travel Award</b> , ACM SIGCHI	2022
	▪ Travel grant for attending the CHI conference	
	<b>Special Recognition for Outstanding Reviews</b> , ACM CHI 2022	2021
	▪ Recognition for the paper review	
	<b>Honorable Mention Award</b> , ACM CHI 2020	2020
	▪ Selected among the top 5% of paper submissions	
	<b>Presidential Science Scholarship</b> , Republic of Korea	2020 – 2021
<b>INVITED TALK</b>	▪ Around 120 undergrads selected annually nationwide (\$20,000)	
	<b>Conference and Travel Scholarship</b> , Google	2020
	▪ Travel grant for attending the CHI conference (travel canceled due to COVID-19)	
	<b>Best Undergraduate Research Award</b> , Seoul National University	2020
	▪ Ranked 1 <sup>st</sup> among all the undergraduate research projects in 2019	
	<b>Undergraduate Research Grant</b> , Seoul National University	2019, 2021
	▪ Research grant for undergraduate research projects (\$5,000)	
	<b>Merit-based Scholarship</b> , Seoul National University	2016, 2017
	▪ Undergraduate merit-based scholarship	
	<b>Azure</b> , Microsoft	Jun 2024
	▪ AI-assisted causal pathway diagramming for human-centered design	
<b>TEACHING EXPERIENCE</b>	<b>Dept. of Computer Science &amp; Engineering</b> , Seoul National University	May 2024
	▪ AI-assisted translational science for designers	
	<b>HCI Theory and Practice (2114.408A)</b> , Seoul National University	Apr 2022
	▪ Designing and building AI-assisted support for online mental health communities	
	<b>Dept. of Information Science &amp; Culture</b> , Seoul National University	Apr 2020
	▪ Conducting an HCI research project as an undergrad	
	<b>Dept. of Information Science &amp; Culture</b> , Seoul National University	Oct 2018
	▪ Introduction to iOS programming	
	<b>Graduate Teaching Assistant</b> , University of Washington	
	▪ 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)	
	<b>Undergraduate Teaching Assistant</b> , Seoul National University	
	▪ L0444.000400: Basic Computing (Summer 2021)	

<b>RESEARCH EXPERIENCE</b>	<b>CoALA Lab &amp; Data Interaction Group</b> , Carnegie Mellon University	Nov 2020 – Jan 2022
	▪ Undergraduate research intern (Mentor: Kenneth Holstein & Adam Perer)	
	<b>HCI+d Lab</b> , Seoul National University	Aug 2019 – Oct 2020
	▪ Undergraduate research intern (Mentor: Joonhwan Lee)	
<b>SERVICES</b>	<b>Program Committee</b>	
	▪ ACM CHI (2024, 2025), ACM IUI (2025)	
	<b>Reviewer</b>	
	▪ ACM CHI (2020 – 2025), ACM IUI (2025) ACM CSCW (2024), ACM DIS (2023), ACM MobileHCI (2021), JMIR (2021)	
	<b>Ph.D. Student Admission Reviewer</b> , UW HCDE	2022
	<b>Student Volunteer</b>	
	▪ ACM ISS (2020)	
<b>MENTORSHIP</b>	<b>Gloria Guo</b> , Masters student at UW HCDE	2024 –
	<b>Tony Zhou</b> , Undergraduate student at UW CSE	2024 –
	<b>Subin Jo</b> , Undergraduate student at UW HCDE	2024
	<b>Ivy Tseng</b> , Masters student at UW MHCI+D	2024
	<b>Yung-Jan Chang</b> , Masters student at UW HCDE	2024
	<b>Shin Hu</b> , Undergraduate student at UW iSchool	2024
	<b>Rebecca Tang</b> , Masters student at UW HCDE	2024
<b>REFERENCES</b>	<b>Gary Hsieh</b>	
	▪ Associate Professor, University of Washington	
	<b>Lucy Lu Wang</b>	
	▪ Assistant Professor, University of Washington	
	<b>Joonhwan Lee</b>	
	▪ Professor, Seoul National University	

[Last update: January 13, 2025]