

# Donghoon Shin

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EDUCATION	<p><b>University of Washington</b>, Seattle, WA Sep 2022 –</p> <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: Profs. Gary Hsieh &amp; Lucy Lu Wang</li></ul></li></ul> <p><b>Seoul National University</b>, Seoul, Korea Mar 2016 – Aug 2022</p> <ul style="list-style-type: none"><li>▪ B.S., Electrical &amp; Computer Engineering, Information Science<ul style="list-style-type: none"><li>• Graduated <i>cum laude</i></li></ul></li></ul>
RESEARCH INTERESTS	<p><b>Human-Computer Interaction (HCI)</b></p> <ul style="list-style-type: none"><li>▪ Generative AI, Translational Science, Conversational AI, Human-AI Collaboration.</li></ul>
EMPLOYMENT	<p><b>Adobe Research</b>, San Jose, CA Jun 2024 – Sep 2024</p> <ul style="list-style-type: none"><li>▪ Research intern (Mentor: Gromit Chan)</li></ul> <p><b>Naver AI Lab</b>, Seongnam, Korea Jun 2023 – Sep 2023</p> <ul style="list-style-type: none"><li>▪ Research intern (Mentor: Young-Ho Kim)</li></ul> <p><b>Elecle</b>, Seoul, Korea Apr 2020 – Jun 2021</p> <ul style="list-style-type: none"><li>▪ iOS developer</li></ul>
PUBLICATIONS	<p><b>CONFERENCE &amp; JOURNAL PAPER</b></p> <p>[P10] From Paper to Card: Transforming Design Implications with Generative AI <b>Donghoon Shin</b>, Lucy Lu Wang, Gary Hsieh <i>CHI 2024</i>.</p> <p>[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</i>.</p> <p>[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</i>.</p> <p>[P7] PlanFitting: Tailoring Personalized Exercise Plans with Large Language Models <b>Donghoon Shin</b>, Gary Hsieh, Young-Ho Kim <i>arXiv preprint</i>.</p> <p>[P6] 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</i>.</p> <p>[P5] How Older Adults Use Online Videos for Learning Seoyoung Kim, <b>Donghoon Shin</b>, Jeongyeon Kim, Sunwoo Kim, Juho Kim <i>CHI 2023</i>.</p> <p>[P4] Evaluating the Impact of Human Explanation Strategies on Human-AI Visual Decision-Making</p>

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  
Seouyoung Kim, Sunwoo Kwon, **Donghoon Shin**, Juho Kim  
*Issue paper of Korea's National Institute for Lifelong Education, 2019.*

<b>PATENT</b>	[C1] Method and Apparatus for Mimicking Conversational Style Youjin Hwang, Joonhwan Lee, <b>Donghoon Shin</b> Republic of Korea Patent (10-2021-0032858)	Mar 2021
<b>AWARDS &amp; HONORS</b>	<b>Graduate School Conference Presentation Award</b> , University of Washington ▪ Conference presentation award for presenting a paper at the CHI conference	Apr 2023
	<b>Korean Government Scholar for Overseas Study</b> , Republic of Korea ▪ Around 50 postgrads selected annually	Sep 2022 – Jun 2024
	<b>Graduate School Fellowship</b> , University of Washington ▪ Scholarship awarded by the department to the selected incoming Ph.D. students	Jun 2022
	<b>Gary Marsden Travel Award</b> , ACM SIGCHI ▪ Travel grant for attending the CHI conference	Apr 2022
	<b>Special Recognition for Outstanding Reviews</b> , ACM CHI 2022 ▪ Recognition for the paper review	Nov 2021
	<b>Honorable Mention Award</b> , ACM CHI 2020 ▪ Selected among the top 5% of paper submissions	Apr 2020
	<b>Presidential Science Scholarship</b> , Republic of Korea ▪ Merit-based scholarship for undergraduate studies funded by the Korean government ▪ Around 150 undergrads selected annually	Mar 2020 – Nov 2021
	<b>Conference and Travel Scholarship</b> , Google ▪ Travel grant for attending the CHI conference (travel canceled due to COVID-19)	Feb 2020
	<b>Best Undergraduate Research Award</b> , Seoul National University ▪ Ranked 1 <sup>st</sup> among all the undergraduate research projects in 2019	Jan 2020
	<b>Undergraduate Research Grant</b> , Seoul National University ▪ \$5,000 research grant • Designing an AI support for assisting in group counseling for managing anxiety (May 2021) • Designing a collaborative mobile AAC system for children with developmental disabilities (May 2019)	May 2019, May 2021
	<b>Merit-based Scholarship</b> , Seoul National University ▪ Undergraduate merit-based scholarship	Fall 2016, Fall 2017
<b>INVITED TALK</b>	<b>Azure</b> , Microsoft ▪ AI-assisted causal pathway diagramming for human-centered design	Jun 2024
	<b>Dept. of Computer Science &amp; Engineering</b> , Seoul National University ▪ AI-assisted translational science for designers	May 2024
	<b>HCI Theory and Practice (2114.408A)</b> , Seoul National University ▪ Designing and building AI-assisted support for online mental health communities	Apr 2022
	<b>Dept. of Information Science &amp; Culture</b> , Seoul National University ▪ Introduction to iOS programming	Oct 2018

	<b>Dept. of Information Science &amp; Culture</b> , Seoul National University <ul style="list-style-type: none"> <li>▪ Running an HCI research project as an undergrad</li> </ul>	Apr 2020
<b>TEACHING EXPERIENCE</b>	<b>Graduate Teaching Assistant</b> , University of Washington <ul style="list-style-type: none"> <li>▪ HCDE 511: Information Visualization (Winter 2024)</li> <li>▪ HCDE 538: Designing For Behavior Change (Fall 2023)</li> </ul> <b>Undergraduate Teaching Assistant</b> , Seoul National University <ul style="list-style-type: none"> <li>▪ L0444.000400: Basic Computing (Summer 2021)</li> </ul>	
<b>RESEARCH EXPERIENCE</b>	<b>CoALA Lab &amp; Data Interaction Group</b> , Carnegie Mellon University <ul style="list-style-type: none"> <li>▪ Undergraduate research intern (Mentor: Kenneth Holstein &amp; Adam Perer)</li> </ul> <b>HCI+d Lab</b> , Seoul National University <ul style="list-style-type: none"> <li>▪ Undergraduate research intern (Mentor: Joonhwan Lee)</li> </ul>	Nov 2020 – Jan 2022  Aug 2019 – Oct 2020
<b>SERVICES</b>	<b>Program Committee</b> <ul style="list-style-type: none"> <li>▪ ACM CHI (2024)</li> </ul> <b>Reviewer</b> <ul style="list-style-type: none"> <li>▪ ACM CHI (2020 – 2024)</li> <li>▪ ACM CSCW (2024)</li> <li>▪ ACM DIS (2023)</li> <li>▪ ACM MobileHCI (2021)</li> <li>▪ Journal of Medical Internet Research (2021)</li> </ul> <b>Ph.D. Student Admission Reviewer</b> , UW HCDE <ul style="list-style-type: none"> <li>▪ Student reviewer for the Ph.D. admission</li> </ul> <b>Student Volunteer</b> <ul style="list-style-type: none"> <li>▪ ACM ISS (2021)</li> </ul>	Dec 2022
<b>MENTORSHIP</b>	<b>Subin Jo</b> , Undergraduate student at UW HCDE <b>Ivy Tseng</b> , Masters student at UW MHCI+D <b>Yung-Jan Chang</b> , Masters student at UW HCDE <b>Shin Hu</b> , Undergraduate student at UW iSchool <b>Ruijingya Tang</b> , Masters student at UW HCDE	2024 2024 2024 2024 2024
<b>REFERENCES</b>	<b>Gary Hsieh</b> <ul style="list-style-type: none"> <li>▪ Associate Professor, University of Washington</li> </ul> <b>Lucy Lu Wang</b> <ul style="list-style-type: none"> <li>▪ Assistant Professor, University of Washington</li> </ul> <b>Joonhwan Lee</b> <ul style="list-style-type: none"> <li>▪ Professor, Seoul National University</li> </ul>	

[Last update: June 3, 2024]