

# Donghoon Shin

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EDUCATION	<b>University of Washington</b> , Seattle, WA	2022 – Present
	<ul style="list-style-type: none"><li>▪ Ph.D., Human Centered Design and Engineering</li><li>▪ M.S., Human Centered Design and 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 and Computer Engineering; B.A., 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: 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.</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.</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

	<b>Donghoon Shin</b> , Sachin Grover, Kenneth Holstein, Adam Perer <i>NeurIPS 2021 Workshop. (AI for Humanitarian Assistance and Disaster Response)</i>	
	[W3] BlahBlahBot: Facilitating Conversation between Strangers using a Chatbot with ML-infused Personalized Topic Suggestion <b>Donghoon Shin</b> , Sangwon Yoon, Soomin Kim, Joonhwan Lee <i>CHI 2021 Extended Abstracts. (Late-Breaking Work)</i>	
	[W2] Linguistic Features to Consider When Applying Persona of the Real Persona to the Text-based Agent Youjin Hwang, Seokwoo Song, <b>Donghoon Shin</b> , Joonhwan Lee <i>MobileHCI 2020 Extended Abstracts. (Late-Breaking Results)</i>	
	[W1] Applying the Persona of User's Family Member and the Doctor to the Conversational Agents for Healthcare Youjin Hwang, <b>Donghoon Shin</b> , Sion Baek, Bongwon Suh, Joonhwan Lee <i>CHI 2020 Workshop. (Conversational Agents for Health and Wellbeing)</i>	
<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 (\$500)	2023
	<b>Korean Government Scholar for Overseas Study</b> , Republic of Korea ▪ Around 50 postgrads selected annually nationwide (\$80,000)	2022 – 2024
	<b>Graduate School Fellowship</b> , University of Washington ▪ Fellowship awarded to the selected incoming Ph.D. students (\$1,400)	2022
	<b>Gary Marsden Travel Award</b> , ACM SIGCHI ▪ Travel grant for attending the CHI conference	2022
	<b>Special Recognition for Outstanding Reviews</b> , ACM CHI 2022 ▪ Recognition for the paper review	2021
	<b>Honorable Mention Award</b> , ACM CHI 2020 ▪ Selected among the top 5% of paper submissions	2020
	<b>Presidential Science Scholarship</b> , Republic of Korea ▪ Around 120 undergrads selected annually nationwide (\$20,000)	2020 – 2021
	<b>Conference and Travel Scholarship</b> , Google ▪ Travel grant for attending the CHI conference (travel canceled due to COVID-19)	2020
	<b>Best Undergraduate Research Award</b> , Seoul National University ▪ Ranked 1 <sup>st</sup> among all the undergraduate research projects in 2019	2020
	<b>Undergraduate Research Grant</b> , Seoul National University ▪ Research grant for undergraduate research projects (\$5,000)	2019, 2021
	<b>Merit-based Scholarship</b> , Seoul National University ▪ Undergraduate merit-based scholarship	2016, 2017
<b>INVITED TALK</b>	<b>LLM seminar (OMSCS 8001)</b> , Georgia Tech ▪ Generative AI for translational science and design	Jun 2025

	<b>Graduate School of AI, Chung-Ang University</b>	Jun 2025
	▪ Generative AI for translational science and design	
	<b>Graduate School of Information, Yonsei University</b>	Jun 2025
	▪ Generative AI for translational science and design	
	<b>HCI+d Lab, Seoul National University</b>	Jun 2025
	▪ Generative AI for translational science and design	
	<b>Azure, Microsoft</b>	Jun 2024
	▪ AI-assisted causal pathway diagramming for human-centered design	
	<b>Dept. of Computer Science &amp; Engineering, Seoul National University</b>	May 2024
	▪ AI-assisted translational science for designers	
	<b>HCI Theory and Practice (2114.408A), Seoul National University</b>	Apr 2022
	▪ Designing and building an AI-assisted support for online mental health communities	
	<b>Dept. of Information Science, Seoul National University</b>	Apr 2020
	▪ Conducting an HCI research project as an undergrad	
	<b>Dept. of Information Science, Seoul National University</b>	Oct 2018
	▪ Introduction to iOS programming	
<b>TEACHING EXPERIENCE</b>	<b>Graduate Teaching Assistant, University of Washington</b>	
	▪ 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)	
	<b>Undergraduate Teaching Assistant, Seoul National University</b>	
	▪ L0444.000400: Basic Computing (Summer 2021)	
<b>RESEARCH EXPERIENCE</b>	<b>CoALA Lab &amp; Data Interaction Group, Carnegie Mellon University</b>	Nov 2020 – Jan 2022
	▪ Undergraduate research intern (Mentor: Kenneth Holstein & Adam Perer)	
	<b>HCI+d Lab, Seoul National University</b>	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 UIST (2025), ACM CHI (2020 – 2025), ACM DIS (2023, 2025), ACM IUI (2025), ACM CSCW (2024), ACM MobileHCI (2021), JMIR (2021)	
	<b>Ph.D. Student Admission Reviewer, UW HCDE</b>	2022
	<b>Student Volunteer</b>	
	▪ ACM ISS (2020)	
<b>MENTORSHIP</b>	<b>Gloria Guo, Master's student at UW HCDE</b>	2024 – Present
	<b>Tony Zhou, Undergraduate student at UW CSE</b>	2024 – Present
	<b>Subin Jo, Undergraduate student at UW HCDE</b>	2024

<b>Ivy Tseng</b> , Master’s student at UW MHCI+D	2024
<b>Yung-Jan Chang</b> , Master’s student at UW HCDE	2024
<b>Shin Hu</b> , Undergraduate student at UW iSchool	2024
<b>Rebecca Tang</b> , Master’s student at UW HCDE	2024

<b>PRESS COVERAGE</b>	<p><b>The Research behind Project Get Savvy: A team of expert AI agents helps marketers design powerful campaigns</b>, Adobe Research</p> <p>서울대학교 전기정보공학부 전공소개, Seoul National University</p>
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<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> <ul style="list-style-type: none"> <li>▪ Professor, Seoul National University</li> </ul>
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[Last update: May 17, 2025]