

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<ul style="list-style-type: none">• Advisor: Gary Hsieh & Lucy Lu Wang• Honors: <i>Korean Government Scholar for Overseas Studies</i>	
	University of Washington , Seattle, WA	2022 – 2024
	<ul style="list-style-type: none">▪ M.S., Human Centered Design and Engineering (concurrent with Ph.D.)	
	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: <i>Korean Presidential Science Scholar, cum laude</i>	
EMPLOYMENT	Microsoft Research , New York, NY	Jun 2025 – Sep 2025
	<ul style="list-style-type: none">▪ Research Intern (Host: Emily Tseng)	
	Google Research , Seattle, WA	Dec 2024 – May 2025
	<ul style="list-style-type: none">▪ Student Researcher Intern (Host: Anoop Sinha)	
	Adobe Research , San Jose, CA	Jun 2024 – Oct 2024
	<ul style="list-style-type: none">▪ Research Intern (Host: Gromit Yeuk-Yin Chan)	
	Naver AI , Seongnam, Korea	Jun 2023 – Sep 2023
	<ul style="list-style-type: none">▪ Research Intern (Host: Young-Ho Kim)	
	Elecle , Seoul, Korea	Apr 2020 – Jun 2021
	<ul style="list-style-type: none">▪ Software Engineer	
PUBLICATIONS	PEER-REVIEWED CONFERENCE & JOURNAL PAPER	
	[P14] PosterMate: Audience-driven Collaborative Persona Agents for Poster Design Donghoon Shin , Daniel Lee, Gary Hsieh, Gromit Yeuk-Yin Chan <i>ACM UIST 2025. (22.2% acceptance rate)</i>	
	[P13] 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>ACM UIST 2025. (22.2% acceptance rate)</i>	
	[P12] 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>ACM DIS 2025. (24.2% acceptance rate)</i>	
	[P11] PlanFitting: Personalized Exercise Planning with Large Language Model-driven Conversational Agent Donghoon Shin , Gary Hsieh, Young-Ho Kim <i>ACM CUI 2025. (34.0% acceptance rate)</i>	
	[P10] From Paper to Card: Transforming Design Implications with Generative AI Donghoon Shin , Lucy Lu Wang, Gary Hsieh <i>ACM CHI 2024. (26.4% acceptance rate)</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

ACM CHI 2024. (26.4% acceptance rate)

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

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

ACM CHI 2024. (26.4% acceptance rate)

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

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

ACM CHI 2023. (28.4% acceptance rate)

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

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

ACM CHI 2023. (28.4% acceptance rate)

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

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

ACM 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

ACM 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

ACM CHI 2020. (24.3% acceptance rate)

🏆 Honorable Mention Award (top 5%)

PEER-REVIEWED POSTER & WORKSHOP PAPER

- [W9] Personality Editing for Language Models through Relevant Knowledge Editing

Seojin Hwang, Yumin Kim, ByeongJeong Kim, **Donghoon Shin**, Hwanhee Lee

EMNLP 2025 Workshop. (Exploring Active and Passive LLM Personalization)

- [W8] ThematicPlane: Bridging Tacit User Intent and Latent Spaces for Image Generation

Daniel Lee, Nikhil Sharma, **Donghoon Shin**, DaEun Choi, Harsh Sharma, Jeonghwan Kim, Heng Ji

ACM UIST 2025 Adjunct. (Poster)

- [W7] DiaryMate: Exploring the Roles of Large Language Models in Facilitating AI-mediated Journaling

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

ACM 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

ACM 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
ACM 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
ACM 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
ACM 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
ACM CHI 2020 Workshop. (Conversational Agents for Health and Wellbeing)

PREPRINT & UNDER REVIEW

- [A5] Personality Editing for Language Models through Adjusting Self-Referential Queries
 Seojin Hwang, Yumin Kim, ByeongJeong Kim, **Donghoon Shin**, Hwanhee Lee
Under review.
- [A4] ReFinE: Streamlining UI Mockup Iteration with Research Findings
Donghoon Shin, Bingcan Guo, Jaewook Lee, Lucy Lu Wang, Gary Hsieh
Under review.
- [A3] Unpacking Design Homogenization in Vibe Coding: An Empirical Study of LLMs for Localization
Donghoon Shin, Alice Gao, Rock Yuren Pang, Jaewook Lee, Katharina Reinecke, Emily Tseng
Under review.
- [A2] PaperTok: Exploring the Use of Generative AI for Creating Short-form Videos for Research Communication
Meziah Ruby Cristobal*, **Hyeonjeong Byeon***, **Tze-Yu Chen***, **Ruoxi Shang***, **Donghoon Shin***, **Ruican Zhong***, **Tony Zhou***, Gary Hsieh
 *co-first authorship
Under review.
- [A1] Genomic Data Processing with GenomeFlow
 Junseok Park, Eduardo Maury, Changhoon Oh, **Donghoon Shin**, Danielle Denisko, Eunjung Alice Lee
arXiv preprint, 2025.

PATENT

- [C1] Speech Style Simulation Method and Device
 Youjin Hwang, Joonhwan Lee, **Donghoon Shin**
 Republic of Korea Patent (10-2021-0032858) Mar 2021

AWARDS & HONORS

Special Recognition for Outstanding Reviews

- ACM CHI 2022 & 2026, ACM IUI 2026

Graduate School Conference Presentation Award, University of Washington

2023, 2025

	<ul style="list-style-type: none"> ▪ Conference presentation award for presenting a paper at the CHI conference (\$500) 	
	Korean Government Scholar for Overseas Study , Republic of Korea	2022 – 2024
	<ul style="list-style-type: none"> ▪ Around 50 postgrads selected annually nationwide (\$80,000) 	
	Graduate School Fellowship , University of Washington	2022
	<ul style="list-style-type: none"> ▪ Fellowship awarded to the selected incoming Ph.D. students (\$1,400) 	
	Gary Marsden Travel Award , ACM SIGCHI	2022
	<ul style="list-style-type: none"> ▪ Travel grant for attending the CHI conference 	
	Honorable Mention Award , ACM CHI 2020	2020
	<ul style="list-style-type: none"> ▪ Selected among the top 5% of the full paper submissions 	
	Presidential Science Scholarship , Republic of Korea	2020 – 2021
	<ul style="list-style-type: none"> ▪ Around 120 undergrads selected annually nationwide (\$15,000) 	
	Conference and Travel Scholarship , Google	2020
	<ul style="list-style-type: none"> ▪ Travel grant for attending the CHI conference (travel canceled due to COVID-19) 	
	Best Undergraduate Research Award , Seoul National University	2020
	<ul style="list-style-type: none"> ▪ Ranked 1st among all the undergraduate research projects in 2019 	
	Undergraduate Research Grant , Seoul National University	2019, 2021
	<ul style="list-style-type: none"> ▪ Research grant for undergraduate research projects (\$5,000) 	
	Merit-based Scholarship , Seoul National University	2016, 2017
	<ul style="list-style-type: none"> ▪ Undergraduate merit-based scholarship 	
TALKS	FATE Group , Microsoft Research	Nov 2025
	DUB Community Day , University of Washington	Oct 2025
	LLM Seminar , Georgia Tech	Jun 2025
	DxD Lab , KAIST	Jun 2025
	Graduate School of AI , Chung-Ang University	Jun 2025
	Graduate School of Information , Yonsei University	Jun 2025
	HCI+d Lab , Seoul National University	Jun 2025
	Azure , Microsoft	Jun 2024
	Dept. of Computer Science & Engineering , Seoul National University	May 2024
	HCI Theory and Practice (2114.408A) , Seoul National University	Apr 2022
	Dept. of Information Science , Seoul National University	Oct 2018, Apr 2020
TEACHING EXPERIENCE	Graduate Teaching Assistant , University of Washington	
	<ul style="list-style-type: none"> ▪ 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	
	<ul style="list-style-type: none"> ▪ 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 – 2026)

Reviewer

- ACM CHI (2020 – 2026), ACM IUI (2025 – 2026), ACM UIST (2025), IJHCS (2025), JMIR Medical Informatics (2025), ACM DIS (2023, 2025), ACM CSCW (2024), ACM MobileHCI (2021), JMIR Formative Research (2021)

Ph.D. Student Admission Reviewer, UW HCDE

2022

Student Volunteer

- ACM ISS (2020)

MEDIA COVERAGE

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

서울대학교 전기정보공학부 전공소개 (**Introduction to the ECE major**), Seoul National University

REFERENCES

Gary Hsieh

- Professor, University of Washington

Lucy Lu Wang

- Assistant Professor, University of Washington

Joonhwan Lee

- Professor, Seoul National University

[Last update: December 20, 2025]