

# 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<ul style="list-style-type: none"><li>• Advisor: Gary Hsieh &amp; Lucy Lu Wang</li></ul></li></ul>	
	<b>University of Washington</b> , Seattle, WA	2022 – 2024
	<ul style="list-style-type: none"><li>▪ M.S., Human Centered Design and Engineering (concurrent with Ph.D.)</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: <i>Korean Presidential Science Scholar, cum laude</i></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 (Host: Emily Tseng)</li></ul>	
	<b>Google Research</b> , Seattle, WA	Dec 2024 – May 2025
	<ul style="list-style-type: none"><li>▪ Student Researcher (Host: Anoop Sinha)</li></ul>	
	<b>Adobe Research</b> , San Jose, CA	Jun 2024 – Oct 2024
	<ul style="list-style-type: none"><li>▪ Research Intern (Host: Gromit Yeuk-Yin Chan)</li></ul>	
	<b>Naver AI</b> , Seongnam, Korea	Jun 2023 – Sep 2023
	<ul style="list-style-type: none"><li>▪ Research Intern (Host: 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>PEER-REVIEWED CONFERENCE &amp; JOURNAL PAPER</b>	
	[P14] PosterMate: Audience-driven Collaborative Persona Agents for Poster Design	
	<b>Donghoon Shin</b> , 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, <b>Donghoon Shin</b> , 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	
	<b>Donghoon Shin</b> , 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	
	<b>Donghoon Shin</b> , 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	
	<b>Donghoon Shin</b> , Lucy Lu Wang, Gary Hsieh	
	<i>ACM 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

*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

- [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

Mar 2021

Youjin Hwang, Joonhwan Lee, **Donghoon Shin**  
 Republic of Korea Patent (10-2021-0032858)

#### AWARDS & HONORS

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

2022, 2026

- Recognition for the outstanding paper review

**Graduate School Conference Presentation Award**, University of Washington

2023, 2025

- 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)

	<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>Honorable Mention Award</b> , ACM CHI 2020	2020
	▪ Selected among the top 5% of the full paper submissions	
	<b>Presidential Science Scholarship</b> , Republic of Korea	2020 – 2021
	▪ Around 120 undergrads selected annually nationwide (\$15,000)	
	<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>TALKS</b>	<b>FATE Group</b> , Microsoft Research	Nov 2025
	<b>DUB Community Day</b> , University of Washington	Oct 2025
	<b>LLM Seminar</b> , Georgia Tech	Jun 2025
	<b>DxD Lab</b> , KAIST	Jun 2025
	<b>Graduate School of AI</b> , Chung-Ang University	Jun 2025
	<b>Graduate School of Information</b> , Yonsei University	Jun 2025
	<b>HCI+d Lab</b> , Seoul National University	Jun 2025
	<b>Azure</b> , Microsoft	Jun 2024
	<b>Dept. of Computer Science &amp; Engineering</b> , Seoul National University	May 2024
	<b>HCI Theory and Practice (2114.408A)</b> , Seoul National University	Apr 2022
	<b>Dept. of Information Science</b> , Seoul National University	Oct 2018, Apr 2020
<b>TEACHING EXPERIENCE</b>	<b>Graduate Teaching Assistant</b> , University of Washington	
	▪ 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</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 – 2026)	
	<b>Reviewer</b>	
	▪ 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 (2021)	
	<b>Ph.D. Student Admission Reviewer, UW HCDE</b>	2022
	<b>Student Volunteer</b>	
	▪ ACM ISS (2020)	
<b>MENTORSHIP</b>	<b>Gloria Guo</b> , Master’s student at UW HCDE	2024 – Present
	<b>Tony Zhou</b> , Undergraduate student at UW CSE	2024 – Present
	<b>Subin Jo</b> , Undergraduate student at UW HCDE	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>MEDIA COVERAGE</b>	<b>The Research behind Project Get Savvy: A team of expert AI agents helps marketers design powerful campaigns</b> , Adobe Research	
	서울대학교 전기정보공학부 전공소개 ( <b>Introduction to the ECE major</b> ), Seoul National University	
<b>REFERENCES</b>	<b>Gary Hsieh</b>	
	▪ Professor, University of Washington	
	<b>Lucy Lu Wang</b>	
	▪ Assistant Professor, University of Washington	
	<b>Joonhwan Lee</b>	
	▪ Professor, Seoul National University	

[Last update: October 30, 2025]