

Donghoon Shin

donghoon.io | dhoon@uw.edu

| 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 ACM UIST 2025. (22.2% acceptance rate) | |
| | [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 ACM UIST 2025. (22.2% acceptance rate) | |
| | [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 ACM DIS 2025. (24.2% acceptance rate) | |
| | [P11] PlanFitting: Personalized Exercise Planning with Large Language Model-driven Conversational Agent Donghoon Shin , Gary Hsieh, Young-Ho Kim ACM CUI 2025. (34.0% acceptance rate) | |
| | [P10] From Paper to Card: Transforming Design Implications with Generative AI Donghoon Shin , Lucy Lu Wang, Gary Hsieh ACM CHI 2024. (26.4% acceptance rate) | |
| | [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
Mezhia 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, ACM IUI 2026

- Graduate School Conference Presentation Award, University of Washington

2023, 2025

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| | <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 |

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| | <ul style="list-style-type: none"> ▪ Undergraduate research intern (Mentor: Kenneth Holstein & Adam Perer) | |
| | HCI+d Lab , Seoul National University | Aug 2019 – Oct 2020 |
| | <ul style="list-style-type: none"> ▪ Undergraduate research intern (Mentor: Joonhwan Lee) | |
| SERVICES | | |
| | Program Committee | |
| | <ul style="list-style-type: none"> ▪ ACM CHI (2024 – 2025), ACM IUI (2025 – 2026) | |
| | Reviewer | |
| | <ul style="list-style-type: none"> ▪ 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 | |
| | <ul style="list-style-type: none"> ▪ 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 | |
| | <ul style="list-style-type: none"> ▪ Professor, University of Washington | |
| | Lucy Lu Wang | |
| | <ul style="list-style-type: none"> ▪ Assistant Professor, University of Washington | |
| | Joonhwan Lee | |
| | <ul style="list-style-type: none"> ▪ Professor, Seoul National University | |

[Last update: December 20, 2025]