

# 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><li>• Honors: <i>Korean Government Scholar for Overseas Studies</i></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: <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 Intern (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 | PEER-REVIEWED CONFERENCE & JOURNAL PAPER  |                     |
|              | [P16] PaperTok: Exploring the Use of AI for Creating Short-form Videos for Research Communication<br><b>Meziah Ruby Cristobal*</b> , <b>Hyeonjeong Byeon*</b> , <b>Alex Chen*</b> , <b>Ruoxi Shang*</b> , <b>Donghoon Shin*</b> , <b>Ruican Zhong*</b> , <b>Tony Zhou*</b> , Gary Hsieh<br>*co-first authorship<br><i>ACM CHI 2026. (25.3% acceptance rate)</i> |                     |
|              | [P15] Personality Editing for Language Models through Adjusting Self-Referential Queries<br>Seojin Hwang, Yumin Kim, ByeongJeong Kim, <b>Donghoon Shin</b> , Hwanhee Lee<br><i>EACL 2026. (20.1% acceptance rate)</i>   |                     |
|              | [P14] PosterMate: Audience-driven Collaborative Persona Agents for Poster Design<br><b>Donghoon Shin</b> , Daniel Lee, Gary Hsieh, Gromit Yeuk-Yin Chan<br><i>ACM UIST 2025. (22.2% acceptance rate)</i>  |                     |
|              | [P13] ImagineAR: AI-Assisted In-Situ Authoring in Augmented Reality<br>Jaewook Lee, Filippo Aleotti, Diego Mazala, Guillermo Garcia-Hernando, Sara Vicente, Oliver Johnston, Isabel Kraus-Liang, <b>Donghoon Shin</b> , Jon Froehlich, Gabriel Brostow, Jessica Van Brummelen<br><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<br><b>Donghoon Shin</b> , Alex Chen, Gary Hsieh, Lucy Lu Wang<br><i>ACM DIS 2025. (24.2% acceptance rate)</i>  |                     |
|              | [P11] PlanFitting: Personalized Exercise Planning with Large Language Model-driven Conversational Agent<br><b>Donghoon Shin</b> , Gary Hsieh, Young-Ho Kim<br><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  
*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

- [A3] ReFinE: Streamlining UI Mockup Iteration with Research Findings  
**Donghoon Shin**, Bingcan Guo, Jaewook Lee, Lucy Lu Wang, Gary Hsieh  
*Under review.*
- [A2] Interrogating Design Homogenization in Web Vibe Coding  
**Donghoon Shin**, Alice Gao, Rock Yuren Pang, Jaewook Lee, Katharina Reinecke, Emily Tseng  
*Under review.*
- [A1] Genomic Data Processing with GenomeFlow  
Junseok Park, Eduardo Maury, Changhoon Oh, **Donghoon Shin**, Danielle Denisko, E. 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  

- 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)

**Graduate School Fellowship**, University of Washington 2022  

- Fellowship awarded to the selected incoming Ph.D. students (\$1,400)

**Gary Marsden Travel Award**, ACM SIGCHI 2022

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|----------------------------|---|---------------------|
|                            | <ul style="list-style-type: none"> <li>Travel grant for attending the CHI conference</li> </ul>   |                     |
|                            | <b>Honorable Mention Award</b> , ACM CHI 2020   | 2020                |
|                            | <ul style="list-style-type: none"> <li>Selected among the top 5% of the full paper submissions</li> </ul>   |                     |
|                            | <b>Presidential Science Scholarship</b> , Republic of Korea   | 2020 – 2021         |
|                            | <ul style="list-style-type: none"> <li>Around 120 undergrads selected annually nationwide (\$15,000)</li> </ul>   |                     |
|                            | <b>Conference and Travel Scholarship</b> , Google   | 2020                |
|                            | <ul style="list-style-type: none"> <li>Travel grant for attending the CHI conference (travel canceled due to COVID-19)</li> </ul>   |                     |
|                            | <b>Best Undergraduate Research Award</b> , Seoul National University  | 2020                |
|                            | <ul style="list-style-type: none"> <li>Ranked 1<sup>st</sup> among all the undergraduate research projects in 2019</li> </ul>   |                     |
|                            | <b>Undergraduate Research Grant</b> , Seoul National University   | 2019, 2021          |
|                            | <ul style="list-style-type: none"> <li>Research grant for undergraduate research projects (\$5,000)</li> </ul>  |                     |
|                            | <b>Merit-based Scholarship</b> , Seoul National University  | 2016, 2017          |
|                            | <ul style="list-style-type: none"> <li>Undergraduate merit-based scholarship</li> </ul>   |                     |
| <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   |                     |
|                            | <ul style="list-style-type: none"> <li>HCDE 511: Information Visualization (Winter 2024, Winter 2026)</li> <li>HCDE 310: Interactive Systems Design And Technology (Spring 2025)</li> <li>HCDE 351: UX Prototyping Techniques (Winter 2025)</li> <li>HCDE 438: Web Technologies (Autumn 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  | Nov 2020 – Jan 2022 |
|                            | <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  | Aug 2019 – Oct 2020 |
|                            | <ul style="list-style-type: none"> <li>Undergraduate research intern (Mentor: Joonhwan Lee)</li> </ul>  |                     |
| <b>SERVICES</b>            | <b>Program Committee</b>  |                     |
|                            | <ul style="list-style-type: none"> <li>ACM CHI (2024 – 2025), ACM IUI (2025 – 2026)</li> </ul>  |                     |
|                            | <b>Reviewer</b>   |                     |

- ACM CHI (2020 – 2026), ACM IUI (2025 – 2026), ACM UIST (2025), IHCI (2026), IHCS (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: January 21, 2026]