

# Donghoon Shin

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## EDUCATION

**University of Washington**, Seattle, WA

Sep 2022 –

- Ph.D., Human Centered Design and Engineering
  - Advisor: Prof. Gary Hsieh

**Seoul National University**, Seoul, Republic of Korea

Mar 2016 – Aug 2022

- B.S., Electrical & Computer Engineering
- B.A., Information Science & Culture Studies
  - Graduated *cum laude*

## RESEARCH INTERESTS

**Human-Computer Interaction (HCI)**

- Human-AI Collaboration, Social Computing, Conversational Agent, Healthcare.

## PUBLICATIONS

### CONFERENCE & JOURNAL PAPER

- [P6] IntroBot: Exploring the Use of Chatbot-assisted Familiarization in Online Collaborative Groups  
**Donghoon Shin**, Soomin Kim, Ruoxi Shang, Joonhwan Lee, Gary Hsieh  
*CHI 2023. (to appear)*
- [P5] How Older Adults Use Online Videos for Learning  
Seoyoung Kim, **Donghoon Shin**, Jeongyeon Kim, Sunwoo Kim, Juho Kim  
*CHI 2023. (to appear)*
- [P4] Evaluating the Impact of Human Explanation Strategies on Human-AI Visual Decision-Making  
Katelyn C. Morrison, **Donghoon Shin**, Kenneth Holstein, Adam Perer  
*CSCW 2023. (to appear)*
- [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

- [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.*

- [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  
**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  
*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  
*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  
*CHI 2020 Workshop. (Conversational Agents for Health and Wellbeing)*

#### DOMESTIC CONFERENCE PAPER

- [D1] AmslerTouch: Self-testing Amsler Grid Application for Supporting a Quantitative Report of Age-related Macular Degeneration Symptoms  
**Donghoon Shin**  
*HCIK 2022.*

#### PATENT

- [C1] Method and Apparatus for Mimicking Conversational Style  
 Youjin Hwang, Joonhwan Lee, **Donghoon Shin**  
 Republic of Korea Patent (10-2021-0032858) Mar 2021

#### RESEARCH EXPERIENCE

- Prosocial Computing Lab**, University of Washington Sep 2022 –  
 ■ Graduate research assistant  
 • Advisor: Prof. Gary Hsieh
- CoALA Lab & Data Interaction Group**, Carnegie Mellon University Nov 2020 – Jan 2022  
 ■ Undergraduate research intern  
 • Advisor: Profs. Kenneth Holstein & Adam Perer
- HCI+d Lab**, Seoul National University Aug 2019 – Oct 2020  
 ■ Undergraduate research intern  
 • Advisor: Prof. Joonhwan Lee

#### AWARDS & HONORS

- Korean Government Scholarship for Overseas Study**, Republic of Korea Aug 2022

	<ul style="list-style-type: none"> <li>▪ Merit-based scholarship for graduate studies funded by the Korean government</li> <li>▪ Around 50 recipients selected annually</li> </ul>	
	<b>UW Graduate School Fellowship</b> , University of Washington	Jun 2022
	<ul style="list-style-type: none"> <li>▪ Selected by the department</li> </ul>	
	<b>Gary Marsden Travel Award</b> , ACM SIGCHI	Apr 2022
	<ul style="list-style-type: none"> <li>▪ Travel grant for attending CHI 2022</li> </ul>	
	<b>Special Recognition for Outstanding Reviews</b> , ACM CHI 2022	Nov 2021
	<ul style="list-style-type: none"> <li>▪ Recognition for the paper review</li> </ul>	
	<b>Honorable Mention Award</b> , ACM CHI 2020	Apr 2020
	<ul style="list-style-type: none"> <li>▪ Selected among the top 5% of paper submissions</li> </ul>	
	<b>Presidential Science Scholarship</b> , Republic of Korea	2020 – 2021
	<ul style="list-style-type: none"> <li>▪ Merit-based scholarship for undergraduate studies funded by the Korean government</li> <li>▪ Around 150 recipients selected annually</li> </ul>	
	<b>Conference and Travel Scholarship</b> , Google	Feb 2020
	<ul style="list-style-type: none"> <li>▪ Travel grant for attending CHI 2020 (travel canceled due to COVID-19)</li> </ul>	
	<b>Best Undergraduate Research Award</b> , Seoul National University	Jan 2020
	<ul style="list-style-type: none"> <li>▪ Selected 1<sup>st</sup> among all the undergraduate research projects in 2019</li> </ul>	
	<b>Undergraduate Research Grant</b> , Seoul National University	May 2019, May 2021
	<ul style="list-style-type: none"> <li>▪ \$5,000 research grant <ul style="list-style-type: none"> <li>• Designing a mobile system for supporting a group counseling for managing anxiety (May 2021)</li> <li>• Designing a collaborative AAC system for children with developmental disabilities (May 2019)</li> </ul> </li> </ul>	
	<b>Merit-based Scholarship</b> , Seoul National University	Fall 2016, Fall 2017
	<ul style="list-style-type: none"> <li>▪ Undergraduate merit-based scholarship</li> </ul>	
<b>TEACHING EXPERIENCE</b>	<b>Invited Keynote</b> , HCI Theory and Practice (2114.408A)	Apr 2022
	<ul style="list-style-type: none"> <li>▪ Presented a late-breaking work published in CHI 2022</li> </ul>	
	<b>Teaching Assistant</b> , Basic Computing (L0444.000400)	Summer 2021
	<ul style="list-style-type: none"> <li>▪ Mentored undergraduate students with Python programming</li> </ul>	
	<b>Invited Keynote</b> , Dept. of Information Science & Culture	Oct 2018, Apr 2020
	<ul style="list-style-type: none"> <li>▪ Undergraduate seminar <ul style="list-style-type: none"> <li>• Introduction to iOS Programming (Oct 2018), Doing HCI research as an undergrad (Apr 2020)</li> </ul> </li> </ul>	
<b>WORK EXPERIENCE</b>	<b>iOS developer</b> , elecle	Apr 2020 – Jun 2021
	<ul style="list-style-type: none"> <li>▪ Korean electric-bike sharing service startup</li> </ul>	
<b>SERVICES</b>	<b>Ph.D. Student Admission Reviewer</b> , UW HCDE	Dec 2022
	<ul style="list-style-type: none"> <li>▪ Student reviewer for the Ph.D. admission</li> </ul>	
	<b>Reviewer</b>	
	<ul style="list-style-type: none"> <li>▪ CHI (2020 - 2023)</li> <li>▪ MobileHCI (2021)</li> </ul>	

- Journal of Medical Internet Research (2021)

#### **Student Volunteer**

- MobileHCI (2021)

#### **COMMUNITY SERVICES**

**Wholsee**, Seoul, Republic of Korea

Dec 2020 – Jan 2021

- A crowdfunded scholarship for supporting the higher education of low-income women

#### **SKILLS**

**Languages:** Korean (Native), English (Full professional proficiency)

**Programming:** Swift, Python, Javascript (Svelte), C++, Processing, etc.

**Designing:** Adobe Photoshop, Adobe Illustrator, Figma

**Others:** L<sup>A</sup>T<sub>E</sub>X, Microsoft PowerPoint / Word / Excel, etc.

*[Last update: January 13, 2023]*