

Donghoon Shin

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EDUCATION

University of Washington, Seattle, WA

Sep 2022 – Present

- Ph.D., Human Centered Design and Engineering

Seoul National University, Seoul, Republic of Korea

Mar 2016 – Aug 2022

- B.S., Electrical & Computer Engineering
- B.A., Information Science & Culture Studies

RESEARCH INTERESTS

Human-Computer Interaction (HCI)

- Social Computing, Computer-Supported Cooperative Work, Human-AI Interaction.

PUBLICATIONS

CONFERENCE & JOURNAL PAPER

[P7] How Older Adults Use Online Videos for Learning

Seoyoung Kim, **Donghoon Shin**, Jeongyeon Kim, Soonwoo Kim, Juho Kim
ACM Transactions on Computer-Human Interaction. (Under review)

[P6] User Experience with Personalized Healthcare Conversational AI with the Persona of the User's Family Caregiver: Design guidelines and Ethical Considerations

Youjin Hwang, **Donghoon Shin**, Seokwoo Song, Juho Kim, Sun Young Park, Joonhwan Lee
Journal of Medical Internet Research. (Under review)

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

Katelyn C. Morrison, **Donghoon Shin**, Kenneth Holstein, Adam Perer
CSCW 2022. (Under revision)

[P4] AmslerTouch: Self-testing Amsler Grid Application for Supporting a Quantitative Report of Age-related Macular Degeneration 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
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)

PATENT

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

RESEARCH EXPERIENCE

- CoALA Lab & Data Interaction Group**, Carnegie Mellon University Nov 2020 – Jan 2022
 - Undergraduate research intern
 - Co-advised by Profs. Kenneth Holstein & Adam Perer

- HCI+d Lab**, Seoul National University Aug 2019 – Oct 2020
 - Undergraduate research intern
 - Advised by Prof. Joonhwan Lee

AWARDS & HONORS

- Gary Marsden Travel Award**, ACM SIGCHI Apr 2022
 - Travel grant for attending CHI 2022

- Special Recognition for Outstanding Reviews**, ACM CHI 2022 Nov 2021
 - Recognition for the paper review

- Honorable Mention Award**, ACM CHI 2020 Apr 2020
 - Selected among the top 5% of paper submissions

	Presidential Science Scholarship , Republic of Korea	Spring 2020 – Present
	<ul style="list-style-type: none"> ▪ Full coverage of undergraduate tuition & stipend (\$20,000 equivalent) 	
	Conference and Travel Scholarship , Google	Feb 2020
	<ul style="list-style-type: none"> ▪ Travel grant for attending CHI 2020 (travel canceled due to COVID-19) 	
	Best Undergraduate Research Award , Seoul National University	Jan 2020
	<ul style="list-style-type: none"> ▪ Selected 1st among all the undergraduate research projects in 2019 	
	Undergraduate Research Grant , Seoul National University	May 2019, May 2021
	<ul style="list-style-type: none"> ▪ \$5,000 research grant <ul style="list-style-type: none"> • Designing a mobile system for supporting a group counseling for managing anxiety (May 2021) • Designing a collaborative AAC system for children with developmental disabilities (May 2019) 	
	Merit-based Scholarship , Seoul National University	Fall 2016, Fall 2017
	<ul style="list-style-type: none"> ▪ Undergraduate merit-based scholarship 	
TEACHING EXPERIENCE	Invited Keynote , HCI Theory and Practice (2114.408A)	Apr 2022
	<ul style="list-style-type: none"> ▪ Presented late-breaking work (CHI 2022) 	
	Teaching Assistant , Basic Computing (L0444.000400)	Summer 2021
	<ul style="list-style-type: none"> ▪ Mentored undergraduate students with Python programming 	
	Invited Keynote , Dept. of Information Science & Culture	Oct 2018, Apr 2020
	<ul style="list-style-type: none"> ▪ Undergraduate seminar <ul style="list-style-type: none"> • Introduction to iOS Programming (Oct 2018), Doing HCI research as an undergrad (Apr 2020) 	
WORK EXPERIENCE	iOS developer , elecle	Apr 2020 – Jun 2021
	<ul style="list-style-type: none"> ▪ Korean electric-bike sharing service startup 	
ACADEMIC SERVICES	Reviewer: CHI (2020 - 2022), MobileHCI (2021), JMIR (2021) Student Volunteer: ISS (2020)	
COMMUNITY SERVICES	Wholsee , Seoul, Republic of Korea	Dec 2020 – Jan 2021
	<ul style="list-style-type: none"> ▪ A crowdfunded scholarship for supporting the higher education of low-income women 	
SKILLS	<p>Languages: Korean (Native), English (Full professional proficiency; GRE: 161/170/4.5)</p> <p>Programming: Swift, Python, Javascript (Svelte), C++, Processing</p> <p>Designing: Adobe Photoshop, Adobe Illustrator, Figma</p> <p>Others: L^AT_EX, Microsoft PowerPoint / Word / Excel, etc.</p>	

[Last update: May 11, 2022]