

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)

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

PUBLICATIONS

CONFERENCE & JOURNAL PAPER

- [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.

WORK IN PROGRESS

- [U3] IntroBot: Exploring the Use of Chatbot-assisted Familiarization in Online Collaborative Groups

Donghoon Shin, Soomin Kim, Ruoxi Shang, Joonhwan Lee, Gary Hsieh
CHI 2023. (Under review)

- [U2] DiaryMate: Exploring the Roles of Large Language Models in Facilitating AI-mediated Journaling

Taewan Kim, **Donghoon Shin**, Young-Ho Kim, Hwajung Hong
CHI 2023. (Under review)

- [U1] How Older Adults Use Online Videos for Learning

Seoyoung Kim, **Donghoon Shin**, Jeongyeon Kim, Sunwoo Kim, Juho Kim
CHI 2023. (Under review)

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

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 <ul style="list-style-type: none"> Undergraduate research intern <ul style="list-style-type: none"> Advisor: Prof. Joonhwan Lee 	Aug 2019 – Oct 2020
AWARDS & HONORS	Korean Government Scholarship for Overseas Study , Republic of Korea <ul style="list-style-type: none"> Merit-based scholarship for graduate studies funded by the Korean government Around 50 recipients selected annually 	Aug 2022
	UW Graduate School Fellowship , University of Washington <ul style="list-style-type: none"> Selected by the department 	Jun 2022
	Gary Marsden Travel Award , ACM SIGCHI <ul style="list-style-type: none"> Travel grant for attending CHI 2022 	Apr 2022
	Special Recognition for Outstanding Reviews , ACM CHI 2022 <ul style="list-style-type: none"> Recognition for the paper review 	Nov 2021
	Honorable Mention Award , ACM CHI 2020 <ul style="list-style-type: none"> Selected among the top 5% of paper submissions 	Apr 2020
	Presidential Science Scholarship , Republic of Korea <ul style="list-style-type: none"> Merit-based scholarship for undergraduate studies funded by the Korean government Around 150 recipients selected annually 	2020 – 2021
	Conference and Travel Scholarship , Google <ul style="list-style-type: none"> Travel grant for attending CHI 2020 (travel canceled due to COVID-19) 	Feb 2020
	Best Undergraduate Research Award , Seoul National University <ul style="list-style-type: none"> Selected 1st among all the undergraduate research projects in 2019 	Jan 2020
	Undergraduate Research Grant , Seoul National University <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) 	May 2019, May 2021
	Merit-based Scholarship , Seoul National University <ul style="list-style-type: none"> Undergraduate merit-based scholarship 	Fall 2016, Fall 2017
TEACHING EXPERIENCE	Invited Keynote , HCI Theory and Practice (2114.408A) <ul style="list-style-type: none"> Presented a late-breaking work published in CHI 2022 	Apr 2022
	Teaching Assistant , Basic Computing (L0444.000400) <ul style="list-style-type: none"> Mentored undergraduate students with Python programming 	Summer 2021
	Invited Keynote , Dept. of Information Science & Culture <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) 	Oct 2018, Apr 2020
WORK EXPERIENCE	iOS developer , elecle <ul style="list-style-type: none"> Korean electric-bike sharing service startup 	Apr 2020 – Jun 2021

**ACADEMIC
SERVICES**

Reviewer: CHI (2020 - 2023), MobileHCI (2021), JMIR (2021)

Student Volunteer: ISS (2020)

**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^AT_EX, Microsoft PowerPoint / Word / Excel, etc.

[Last update: October 26, 2022]