Donghoon Shin

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EDUCATION

University of Washington, Seattle, WA   Sep 2022 –
- Ph.D., Human Centered Design & Engineering
  - Advisor: Profs. Gary Hsieh & Lucy Lu Wang

Seoul National University, Seoul, Republic of Korea   Mar 2016 – Aug 2022
- B.S., Electrical & Computer Engineering, Information Science
  - Graduated *cum laude*

RESEARCH INTERESTS

Human-Computer Interaction (HCI)
- Social Computing, Natural Language Processing, Healthcare, Conversational AI, Translational Science.

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.

[P5] How Older Adults Use Online Videos for Learning
Seoyoung Kim, **Donghoon Shin**, Jeongyeon Kim, Sunwoo Kim, Juho Kim
CHI 2023.

[P4] Evaluating the Impact of Human Explanation Strategies on Human-AI Visual Decision-Making
Katelyn Morrison, **Donghoon Shin**, Kenneth Holstein, Adam Perer
CSCW 2023.

[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

[W7] DiaryMate: Exploring the Roles of Large Language Models in Facilitating AI-mediated Journaling
Taewan Kim, **Donghoon Shin**, Young-Ho Kim, Hwajung Hong
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
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
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 & TECHNICAL REPORT

[D2] AmslerTouch: Self-testing Amsler Grid Application for Supporting a Quantitative Report of Age-related Macular Degeneration Symptoms
Donghoon Shin
HCIK 2022.

[D1] An Analysis of K-MOOC Learners' Data and an Investigation of Its Future Applications
Seoyoung Kim, Sunwoo Kwon, **Donghoon Shin**, Juho Kim
Issue paper of Korea's National Institute for Lifelong Education, 2019.

UNDER REVIEW

[R4] PlanFitting: Exploring the Use of Large Language Models in Tailoring Personalized Exercise Plans
Donghoon Shin, Gary Hsieh, Young-Ho Kim

[R3] From Text to Card: Transforming Design Implications with Generative AI
Donghoon Shin, Lucy Lu Wang, Gary Hsieh

[R2] AI-Assisted Causal Pathway Diagram for Human-Centered Design
Ruican Zhong*, **Donghoon Shin***, Rosemary Meza, Predrag Klasnja, Lucas Colusso, Gary Hsieh

[R1] DiaryMate: Understanding User Perceptions and Experience in Human-AI Collaboration for Personal Journaling
Taewan Kim, **Donghoon Shin**, Young-Ho Kim, Hwajung Hong

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

Naver AI Lab, Seongnam, Korea — Jun 2023 – Sep 2023
- Research intern
  - Mentor: Dr. Young-Ho Kim

Intentional Traces Collective, University of Washington — Apr 2023 – Jun 2023
- Graduate research assistant
  - Advisor: Prof. Sean Munson

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

Graduate School Conference Presentation Award, University of Washington — Apr 2023
- Conference presentation award for presenting a paper at CHI

Korean Government Scholarship for Overseas Study, Republic of Korea — Aug 2022
- Merit-based scholarship for graduate studies funded by the Korean government
- Around 50 recipients selected annually

Graduate School Fellowship, University of Washington — Jun 2022
- Selected by the department

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 — 2020 – 2021
- Merit-based scholarship for undergraduate studies funded by the Korean government
- Around 150 recipients selected annually

Conference and Travel Scholarship, Google — Feb 2020
- Travel grant for attending CHI 2020 (travel canceled due to COVID-19)

Best Undergraduate Research Award, Seoul National University — Jan 2020
- Selected 1st among all the undergraduate research projects in 2019

Undergraduate Research Grant, Seoul National University   May 2019, May 2021
- $5,000 research grant
  - 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
- Undergraduate merit-based scholarship

TEACHING EXPERIENCE	**Teaching Assistant**, HCDE 538 (Designing For Behavior Change) Fall 2023
	Invited Keynote, 2114.408A (HCI Theory and Practice) Apr 2022
	Undergraduate Teaching Assistant, L0444.000400 (Basic Computing) Summer 2021
	Invited Keynote, Dept. of Information Science & Culture Oct 2018, Apr 2020

- Undergraduate seminar
  - Introduction to iOS Programming (Oct 2018), Doing HCI research as an undergrad (Apr 2020)

WORK EXPERIENCE

iOS developer, elecle   Apr 2020 – Jun 2021
- Korean electric-bike sharing service startup

SERVICES

Ph.D. Student Admission Reviewer, UW HCDE   Dec 2022
- Student reviewer for the Ph.D. admission

Reviewer
- CHI (2020 - 2023)
- DIS (2023)
- MobileHCI (2021)
- 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: LaTeX, Microsoft PowerPoint / Word / Excel, etc.

[*Last update: September 18, 2023*]