Dasom Choi

PhD Candidate • HCI Researcher
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RESEARCH INTERESTS

Human-Computer Interaction (HCI), Human-AI Interaction, Human-centered Design, Accessibility, Inclusive AI, People with disabilities, Neurodiverse population, Participatory design

EDUCATION

Mar. 2022 - Present	**Korea Advanced Institute of Science & Technology (KAIST)** Ph.D., Industrial Design (focusing on Human-Computer Interaction) Advisor: Hwajung Hong
Aug. 2018 - Feb. 2021	**Korea Advanced Institute of Science & Technology (KAIST)** M.S., Industrial Design Advisor: Sangsu Lee
Mar. 2013 - Feb. 2018	**Ulsan National Institute of Science and Technology (UNIST)** B.S., Industrial Design and Human Factor Engineering

PUBLICATIONS

Conference Proceedings

C8
Fostering Critical Thinking About AI for Youth's Autonomy Through Art-based AI Literacy Education
Sunok Lee, **Dasom Choi**, Hyeonjeong Im, Yunjae Josephine Choi, Minha Lee, Hwajung Hong and Sangsu Lee
(Under review)

C7
Unlock Life with a Chat(GPT): Integrating Conversational AI with Large Language Models into Everyday Lives of Autistic Individuals
Dasom Choi, Sunok Lee, Sung-In Kim, Kyungah Lee, Hee Jeong Yoo, Sangsu Lee and Hwajung Hong
ACM Conference on Human Factors in Computing Systems (CHI 2024)

C6   **Reinforcing and Reclaiming The Home: Co-speculating Future Technologies to Support Remote and Hybrid Work**
Janghee Cho, **Dasom Choi**, Junnan Yu, Stephen Voida
ACM Conference on Human Factors in Computing Systems (CHI 2024)

C5   **Love on the Spectrum: Toward Inclusive Online Dating Experience of Autistic Individuals**
Dasom Choi, Sung-In Kim, Sunok Lee, Hyunseung Lim, Hee Jeong Yoo and Hwajung Hong
ACM Conference on Human Factors in Computing Systems (CHI 2023)

C4   **Fostering Youth's Critical Thinking Competency about AI through Exhibition**
Sunok Lee, **Dasom Choi**, Minha Lee, Jonghak Choi, Sangsu Lee
ACM Conference on Human Factors in Computing Systems (CHI 2023)

C3   **"It's not wrong, but I'm quite disappointed": Toward an Inclusive Algorithmic Experience for Content Creators with Disabilities**
Dasom Choi, Uichin Lee, Hwajung Hong
ACM Conference on Human Factors in Computing Systems (CHI 2022)

C2   **Cocomix: Utilizing Comments to Improve Non-Visual Webtoon Accessibility**
Mina Huh, Yunjung Lee, **Dasom Choi**, Haesoo Kim, Uran Oh, and Juho Kim
ACM Conference on Human Factors in Computing Systems (CHI 2022)

C1   **"Nobody Speaks that Fast!" An Empirical Study of Speech Rate in Conversational Agents for People with Vision Impairments**
Dasom Choi, Daehyun Kwak, Minji Cho, and Sangsu Lee
ACM Conference on Human Factors in Computing Systems (CHI 2020)
Honorable Mention Award (Top 5%)

Poster & Workshop papers

P3   **Together we turn uncertainty into Action: Understanding the Role of Artificial Intelligence in Supporting the Financial Concerns of Older Adults**
Yubin Choi, **Dasom Choi**, and Hwajung Hong
Computer Supported Cooperative Work and Social Computing (CSCW 2023)

P2   **AI Story Relay: A Collaborative Writing of Design Fiction to Investigate Artificial Intelligence Design Considerations**
Hyeonjeong Im, Soobin Jeon, Haena Cho, Sungyong Shin, **Dasom Choi**, and Hwajung Hong
ACM International Conference on Supporting Group Work (GROUP 22/23)

P1   **Designing a Crowdsourcing Platform for Generating Subtitles of Accessible Films**
Dasom Choi, Aikerim Orken, Han Lee, and Hwajung Hong
HCI Korea 2017

WORK & RESEARCH EXPERIENCES

Mar. 2024 -	**NAVER AI LAB**, HCI TF PhD Research Intern Project: Developing a Large Language Model-Based Augmentative and Alternative Communication System to Support Communication Between Autistic Children and Parents Mentor Dr. Young-Ho Kim
Oct. 2021 - Feb. 2022	**KAIST**, Data Interaction Design Lab Research assistant Project: Understanding algorithmic experience of content creators with disabilities and their perceived fairness Advisor: Hwajung Hong
Jan. 2021 - May.2021	**SI-Analytics**, Daejeon, Republic of Korea UX designer Designed a UX/UI of a system that detects objects in satellite images using algorithms.
Aug. 2020 - Dec. 2020	**KAIST MCM Research Center** Graduate research assistant Project: Understanding the needs and challenges of stakeholders in the infectious disease treatment process
Aug. 2019 - Dec. 2019	**Samsung Electronics**, at KAIST Graduate research assistant • UX researcher Project: Establishing an interaction model for proactive AI agents in a domestic setting
Sep. 2019 - Dec. 2019	**NH Investment & Securities**, at KAIST Graduate research assistant • UX designer Topic: Designing mobile platform for investment portfolio market
Mar. 2019 - July, 2019	**NH Investment & Securities**, at KAIST Graduate research assistant • UX designer Topic: Designing mobile account opening system for stock investment
Sep. 2018 - Dec. 2018	**UNIST**, Disegno T9 Lab Undergraduate design intern Project: 1) Hybrid Module Mobility (a four-wheeled electric bicycle with adaptable module system), 2) Hyperloop Station (a new transportation station with a dual rotating system which maximizes the efficiency) and 3) Autonomous Mobility Concept Design (a transformable interior design according to the purpose)

Advisor: Yunwoo Jeong

Apr. 2016 - Aug. 2018   **UNIST**, Data Interaction Design Lab
Undergraduate research intern
Project: Crowdsourcing platform for generating accessible film subtitles
Advisor: Hwajung Hong

ACADEMIC SERVICE

Peer reviewing
ACM Human Factors in Computing Systems (CHI). 2023, 2024
ACM Designing Interactive Systems (DIS). 2019, 2024
ACM Conversational User Interfaces (CUI). 2024
Archive of Design Research (AODR). 2022

TEACHING EXPERIENCES

Teaching Assistant

2023 Fall   **KEI560: Design Thinking for Startup** (KAIST)

2023 Spring   **UX Design Class for KEB HANA BANK** (KAIST)

2023 Spring   **ID430: Special Topics in DesignV<Design Futures:AI & Society>** (KAIST)

2022 Spring   **ID508: User Centered Design Methodology** (KAIST)

2022 Spring   **ID301: Interactive Product Design** (KAIST)

2020 Spring   **ID403: System Design** (KAIST)

2019 Fall   **ID307: Interface Design** (KAIST)

2019 Spring   **ID416: Portfolio and Exhibition Design** (KAIST)

Talks & Panels

2024 Jan   **HCI KOREA 2024 Invited Papers Session from 2023 SIGCHI-sponsored Top Conferences**

AWARDS

2023	NRF (National Research Foundation of Korea) grant ($15,000)
2021	Reddot Design Award, *Aline: An ESG-based value investment service*
2021	IF Design Award Gold, *Aline: An ESG-based value investment service*
2021	IF Design Award, *Stockbox: a stock gift service*
2021	IF Design Award, *Pinto: an investment education system with parents*
2021	IF Design Award, *Aqua: a new paradigm of personal asset management*
2021	IF Design Award, KARE MCM: Control UX for mobile negative pressure isolation ward reflecting the needs of all healthcare professionals and patients
2020	Major Research Achievements of KAIST
2020	Best Paper Honorable Mention, *ACM CHI 2020*
2019	James Dyson Design Award National Winner, *reuse-it: a working prototype to make post-it with scrap papers.*