

DaEun Choi

HUMAN-COMPUTER INTERACTION · PH.D. STUDENT

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Summary

I am a second-year Ph.D. student in the School of Computing at KAIST, working with Prof. Juho Kim at KIXLAB (KAIST Interaction Lab). My research interest is in Human-Computer Interaction (HCI). I am especially interested in investigating how generative AI can better support people's creative thinking process and building AI-infused creativity supporting tools.

Education

Korea Advanced Institute of Science and Technology (KAIST)

Ph.D. in Computer Science

Advisor: Juho Kim

Daejeon, Republic of Korea

Feb 2024 - Present

Korea Advanced Institute of Science and Technology (KAIST)

M.S. in Computer Science

Advisor: Juho Kim

Daejeon, Republic of Korea

Feb 2022 - Feb 2024

Korea Advanced Institute of Science and Technology (KAIST)

B.S. in Computer Science (Double Major in Bio&Brain Engineering)

Magna Cum Laude

Daejeon, Republic of Korea

Mar 2017 - Feb 2022

Publication

CONFERENCE PAPERS

A Context-Aware Onboarding Agent for Metaverse Powered by Large Language Models

ACM DIS 2024

Jihyeong Hong, Yokyung Lee, Dae Hyun Kim, **DaEun Choi**, Yeo-Jin Yoon, Gyu-cheol Lee, Zucheul Lee, Juho Kim

CreativeConnect: Supporting Reference Recombination for Graphic Design Ideation with Generative AI

ACM CHI 2024

DaEun Choi, Sumin Hong, Jeongeon Park, John Joon Young Chung, Juho Kim

Demystifying Tacit Knowledge in Graphic Design: Characteristics, Instances, Approaches, and Guidelines

ACM CHI 2024 *Honorable Mention Award*

Kihoon Son, **DaEun Choi**, Tae Soo Kim, Juho Kim

GenQuery: Supporting Expressive Visual Search with Generative Models

ACM CHI 2024

Kihoon Son, **DaEun Choi**, Tae Soo Kim, Young-Ho Kim, Juho Kim

Surch: Enabling Structural Search and Comparison for Surgical Videos

ACM CHI 2023

Jeongyeon Kim, **DaEun Choi**, Nicole Lee, Matthew Beane, Juho Kim

Stylette: Styling the Web with Natural Language

ACM CHI 2022 *Honorable Mention Award*

Tae Soo Kim, **DaEun Choi**, Yoonseo Choi, Juho Kim

Reflect, not Regret: Understanding Regretful Smartphone Use with App Feature-Level Analysis

ACM CSCW 2021 *Best Paper Award & Method Recognition*

Hyunsung Cho, **DaEun Choi**, Donghwi Kim, Wan Ju Kang, Eun Kyoung Choe, and Sung-Ju Lee

POSTERS, DEMOS, WORKSHOP PAPERS

IdeaBlocks: Expressing and Reusing Exploratory Intents for Design Exploration with Generative AI

ACM UIST 2025 Demos
DaEun Choi, Kihoon Son, Jaesang Yu, Hyunjoon Jung, Juho Kim

ThematicPlane: Bridging Tacit User Intent and Latent Spaces for Image Generation

ACM UIST 2025 Posters
Daniel Lee, Nikhil Sharma, Donghoon Shin, DaEun Choi, Harsh Sharma, Jeonghwan Kim, Heng Ji

Expandora: Broadening Design Exploration with Text-to-Image Model

ACM CHI 2025 LBW (Late-Breaking Work)
DaEun Choi, Kihoon Son, HyunJoon Jung, Juho Kim

Unveiling Disparities in Web Task Handling Between Human and Web Agents

ACM CHI 2024 Workshop on Computational Methodologies for Understanding, Automating, and Evaluating User Interfaces
Kihoon Son, Jinhyeon Kwon, DaEun Choi, Tae Soo Kim, Young-Ho Kim, Sangdoo Yun, Juho Kim

AudiLens: Configurable LLM-Generated Audiences for Public Speech Practice

ACM UIST 2023 Student Innovation Contest Jury’s Best SIC Honorable Mention Award
Jeongeon Park*, DaEun Choi*(*Equal contribution)

Techniques for Semantic Search and Comparison for Robotic Surgery Videos

ACM CHI 2022 Workshop on Integration of Human Factors in Surgery
Jeongyeon Kim, DaEun Choi, Matthew Beane, Juho Kim

Experience

Adobe Research Research Scientist Intern Mentor: Hijung Valentina Shin	Cambridge, MA, USA Jun 2025 - Sep 2025
KIXLAB (KAIST Interaction Lab) Undergraduate Research Intern Mentors: Juho Kim, Tae Soo Kim, Jeongyeon Kim	Daejeon, Republic of Korea Jan 2021 - Feb 2022
NMSL (Networking & Mobile Systems Lab) Undergraduate Research Intern Mentors: Sung-Ju Lee, Hyunsung Cho	Daejeon, Republic of Korea Aug 2020 - Dec 2020
LG CNS Software Architect Intern	Seoul, Republic of Korea Jan 2020 - Feb 2020

Honors & Awards

AWARDS

Special Recognitions for Outstanding Reviews	DIS 2024, CHI 2025 ×2, DIS 2025, UIST 2025 ×2	
Outstanding M.S. Thesis Award	School of Computing, KAIST	2024
Outstanding Edu 4.0Q TA Award	KAIST	2023
Outstanding TA Award	School of Computing, KAIST	2022
Dean’s List	College of Engineering, KAIST	2020

SCHOLARSHIPS

Misook Lim Scholarship	2021
KAIST Exemplary Conduct Scholarship	2019

Teaching

CS101: Introduction to Programming

Teaching Assistant

Spring 2019 - Spring 2025

CS374: Introduction to Human-Computer Interaction

Teaching Assistant

Spring 2023

Service & Leadership

ACADEMIC SERVICE

Reviewer CHI 2025, UIST 2025, DIS 2024 - 2025, CHI LBW 2024 - 2025

Student Volunteer CHI 2024 - 2025, CSCW 2022

LEADERSHIP

Student Organizer KAIST-Google ExploreCSR Event Organizing Team

Sep 2023 - Aug 2024

Head of Media Team KAIST Graduate Student Association

Feb 2022 - Present

Head of Design & Technology Team KAIST Undergraduate Association

Feb 2020 - Jan 2021

Student Representative KAIST Undergraduates of School of Computing

Feb 2019 - Jan 2020

ACTIVITIES

Web Designer & Developer System Programmers' Association for Researching Computer Systems

Mar 2019 - Feb 2022

UX Researcher & Designer KAIST LMS Redesign Team

Jul 2021 - Aug 2021