

DaEun Choi

SCHOOL OF COMPUTING · MASTER'S STUDENT

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Summary

I am an incoming PhD student in the School of Computing at KAIST. I am working with Prof. Juho Kim at KIXLAB(KAIST Interaction Lab). I'm interested in Human-Computer Interaction(HCI), especially in building AI-infused creativity supporting tools.

Education

Korea Advanced Institute of Science and Technology (KAIST)

M.S. in School of Computing

KIXLAB (KAIST Interaction Lab) (Advisor: Juho Kim)

Daejeon, Republic of Korea

Feb 2022 - Feb 2024 (Expected)

Korea Advanced Institute of Science and Technology (KAIST)

B.S. in School of Computing (Double Major in Bio&Brain Engineering)

Magna Cum Laude

Daejeon, Republic of Korea

Mar 2017 - Feb 2022

Publication

CONFERENCE PAPERS

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

ACM CHI 2024 (To appear)

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

GenQuery: Supporting Expressive Visual Search with Generative Models

ACM CHI 2024 (To appear)

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

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

ACM CHI 2024 (To appear)

Kihoon Son, DaEun Choi, Tae Soo 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

AudiLens: Configurable LLM-Generated Audiences for Public Speech Practice

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

KIXLAB(KAIST Interaction Lab)

Daejeon, Republic of Korea

Undergraduate Research Intern

Jan 2021 - Feb 2022

Research on enhancing user-side customization on website using AI recommendation system, voice, and clicks.

Completed KAIST URP(Undergraduate Research Participation) Program with this project.

(Title: Enhancing the UI Design Iteration and Feedback Process with Voice and Clicks)

NMSL(Networking & Mobile Systems Lab)

Daejeon, Republic of Korea

Undergraduate Research Intern

Aug 2020 - Dec 2020

Research on feature-level fine-grained smartphone usage tracking and intervention development for digital well-being.

LG CNS

Seoul, Republic of Korea

Software Architect Intern

Jan 2020 - Feb 2020

Participated IT Core Talent Academy internship program as a software architect. Implemented architecture for large-scale web services with

AWS development/operation servers, web service infrastructure, and CI/CD server load balancing.

Honors & Awards

AWARDS

Outstanding Edu 4.0Q TA Award CS374: Intro to HCI

2023 Spring

Outstanding TA Award CS101: Intro to Programming

2022 Fall

Dean's List College of Engineering, KAIST

2020 Fall

SCHOLARSHIPS

Misook Lim Scholarship

2021 Fall

KAIST Exemplary Conduct Scholarship

2019

Teaching

CS101: Introduction to Programming

2019 Spring - 2022 Fall, 2023 Fall

Teaching Assistant

CS374: Introduction to Human-Computer Interaction

2023 Spring

Teaching Assistant

Projects

SPARCS

UI/UX Designer & Developer

Mar 2019 - Feb 2022

Worked as a designer/developer of KAIST's Special Board of Computing, SPARCS (System Programmers' Association for Research Computer Systems). I worked on improving the UI/UX of NewAra service (KAIST official student online community) to be more user-friendly.

Student-led KLMS Redesign Team

UX Researcher & Designer

Jun 2021 - Aug 2021

KLMS is the LMS system used by KAIST. KLMS was reorganized in the spring of 2021, which raised various usability issues. To solve this problem, we collected and analyzed inconveniences, presented new UI/UX guidelines, and prototyped new designs. It was conducted with the support of the KAIST Center for Excellence in Learning and Teaching.

Service & Leadership

STUDENT VOLUNTEER

CSCW 2022

Nov, 2022

LEADERSHIP

Student Organizer	KAIST-Google ExploreCSR	Sep 2023 - Current
Head of Media Team	KAIST Graduate Student Association	Feb 2022 - Current
Head of Design & Technology Team	KAIST Undergraduate Association	Feb 2020 - Jan 2021
Head of Design & Website Team	KAIST 50th Anniversary Student Conference	Jan 2020 - Feb 2021
Student Representative	KAIST Undergraduates of School of Computing	Feb 2019 - Jan 2020

ACTIVITIES

KAIST Undergraduate Research Participation(URP) Program	2021 Winter/Spring
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