

# DaEun Choi

SCHOOL OF COMPUTING · MASTER'S STUDENT

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## Summary

I am a 1st-year Ph.D. 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)

Ph.D. in School of Computing

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

Daejeon, Republic of Korea

Feb 2024 -

### 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

### 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

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### 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

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### AWARDS

**Outstanding M.S. Thesis Award** School of Computing, KAIST

2024

**Outstanding Edu 4.0Q TA Award** CS374: Intro to HCI

Spring 2023

**Outstanding TA Award** CS101: Intro to Programming

Fall 2022

**Dean's List** College of Engineering, KAIST

Fall 2020

### SCHOLARSHIPS

**Misook Lim Scholarship**

Fall 2021

**KAIST Exemplary Conduct Scholarship**

2019

## Teaching

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### CS101: Introduction to Programming

Spring 2019 - Spring 2024

Teaching Assistant

### CS374: Introduction to Human-Computer Interaction

Spring 2023

Teaching Assistant

## Projects

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### 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

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## REVIEWER

**CHI 2024 Late-Breaking Work**  
**DIS 2024**

*Feb 2024*

*Mar 2024*

## STUDENT VOLUNTEER

**CSCW 2022**

*Nov 2022*

## LEADERSHIP

**Student Organizer** KAIST-Google ExploreCSR

*Sep 2023 -*

**Head of Media Team** KAIST Graduate Student Association

*Feb 2022 -*

**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**

*Winter/Spring 2021*