# 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)**   *Daejeon, Republic of Korea*
Ph.D. in Computer Science   *Feb 2024 - Present*
Advisor: Juho Kim

**Korea Advanced Institute of Science and Technology (KAIST)**   *Daejeon, Republic of Korea*
M.S. in Computer Science   *Feb 2022 - Feb 2024*
Advisor: Juho Kim

**Korea Advanced Institute of Science and Technology (KAIST)**   *Daejeon, Republic of Korea*
B.S. in Computer Science (Double Major in Bio&Brain Engineering)   *Mar 2017 - Feb 2022*
Magna Cum Laude

## 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

**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 inWeb 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**                                                          *Cambridge, MA*
Research Scientist Intern                                                   *Jun 2025 - Sep 2025*
Mentor: Hijung Valentina Shin

**KIXLAB (KAIST Interaction Lab)**                                          *Daejeon, Republic of Korea*
Undergraduate Research Intern                                              *Jan 2021 - Feb 2022*
Mentors: Juho Kim, Tae Soo Kim, Jeongyeon Kim

**NMSL (Networking & Mobile Systems Lab)**                                  *Daejeon, Republic of Korea*
Undergraduate Research Intern                                             *Aug 2020 - Dec 2020*
Mentors: Sung-Ju Lee, Hyunsung Cho

**LG CNS**                                                                 *Seoul, Republic of Korea*
Software Architect Intern                                                  *Jan 2020 - Feb 2020*
Implemented architecture for large-scale web services with CI/CD servers and load balancing.

# Honors & Awards

## Awards

**Special Recognitions for Outstanding Reviews**   DIS 2024, CHI 2025 ×2          *2024*
**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**                                     *Spring 2019 - Spring 2025*
Teaching Assistant

**CS374: Introduction to Human-Computer Interaction**                      *Spring 2023*
Teaching Assistant

# Service & Leadership

## ACADEMIC SERVICE

**Reviewer**   DIS 2025, CHI LBW 2025, CHI 2025, DIS 2024, CHI LBW 2024
**Student Volunteer**   CHI 2025, CHI 2024, 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*