DaEun Choi

SCHOOL OF COMPUTING · MASTER'S STUDENT

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Summary

I am a Master's student in School of Computing, KAIST. I am working with Juho Kim at KIXLAB(KAIST Interaction Lab). I'm interested in HCI, especially AI-infused creativity supporting tools, digital well-being, and online learning.

Education

Korea Advanced Institute of Science and Technology (KAIST)   *Daejeon, Republic of Korea*

M.S. IN SCHOOL OF COMPUTING   *Feb 2022 - Current*

KIXLAB (KAIST Interaction Lab)

Korea Advanced Institute of Science and Technology (KAIST)   *Daejeon, Republic of Korea*

B.S. IN SCHOOL OF COMPUTING (DOUBLE MAJOR IN BIO&BRAIN ENGINEERING)   *Mar 2017 - Feb 2022*

GPA: 3.88/4.3 (Magna Cum Laude)

Publication

CONFERENCE PAPERS

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

Stylette: Styling the Web with Natural Language

ACM CHI 2022 / **HONORABLE MENTION AWARD**

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

Surch: Enabling Structural Search and Comparison for Surgical Videos

ACM CHI 2023

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

POSTERS, DEMOS, WORKSHOP PAPERS

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.

This project was published as a paper in CSCW 2021.

LG CNS *Seoul, Republic of Korea*

Software Architect Intern *Jan 2020 - Feb 2020*

Participated IT core talent Academy internship program as a software architect. I mainly focused on implementing architecture for large scale web services by building AWS development/operation servers, web service infrastructure, and CI/CD server load balancing.

Honors & Awards

Awards

Dean's List   College of Engineering, KAIST 2020 Fall
Top 3% of GPA in school/department

Scholarships

Misook Lim Scholarship 2021 Fall
Awarded to female students who major in computer science in KAIST in every semester.

KAIST Exemplary Conduct Scholarship 2019
Annually awarded to 20 undergraduate students (in exemplary conduct/volunteering/contribution categories)

Teaching

CS101: Introduction to Programming *2019 Spring - 2022 Fall*

Teaching Assistant

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

Teaching Assistant

Projects

SPARCS

UI/UX Designer & Developer *Mar 2019 - Current*

I am working as a designer/developer of KAIST's Special Board of Computing, SPARCS (System Programmers' Association for Research Computer Systems). Currently I am working on improving 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 KAIST Center for Excellence in Learning and Teaching.

Extracurricular Activity

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

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

Planning Committee of KAIST 50th Anniversary Student Conference *Jan 2020 - Feb 2021*

Leader of Design&Website Team

KAIST Undergraduate Association *Feb 2020 - Jan 2021*

Head of Design&Technology Team

President of KAIST Undergraduates of School of Computing *Feb 2019 - Jan 2020*