Yoonsu Kim

Ph.D. Student | HCI Researcher
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Research Interests

My research interests include around **Human-Computer Interaction, Human-Centered AI, and Human-AI collaboration**.

I am passionate about developing new interactions and systems that help people better utilize AI technology and understand the difficulties in using or trying to use it.

Education

KAIST
Ph.D. in School of Computing
Advisor: Juho Kim

Feb 2024 - Present
Daejeon, Republic of Korea

KAIST
M.S. in AI (Specialization: Human-AI Interaction)
Advisor: Juho Kim

Feb 2022 - Feb 2024
Daejeon, Republic of Korea

POSTECH
B.S. in Computer Science and Engineering
Magna cum laude

Feb 2017 - Feb 2022
Pohang, Republic of Korea

Publications

Conferences and Journal Papers

[C1] **Understanding Users' Dissatisfaction with ChatGPT Responses: Types, Resolving Tactics, and the Effect of Knowledge Level**
Yoonsu Kim, Jueon Lee, Seoyoung Kim, Jaehyuk Park, Juho Kim
ACM Conference on Intelligent User Interfaces (IUI 2024)

[C2] **AI-to-Human Actuation: AI Proactively Induces Humans towards Favorable Sensing Conditions**
Sungjae Cho, **Yoonsu Kim**, Jaewoong Jang, Inseok Hwang
Proceedings of the ACM on Interactive, Mobile, Wearable and Ubiquitous Technologies (IMWUT 2023).

Posters, Demos, and Workshop Papers

[D1] **RECIPE: How to Integrate ChatGPT into EFL Writing Education**
Sungjae Cho, **Yoonsu Kim**, Jaewoong Jang, Inseok Hwang
Proceedings of the ACM on Interactive, Mobile, Wearable and Ubiquitous Technologies (IMWUT 2023).

Last updated: April 30, 2024

[D2] **Towards Understanding the Challenges and Remedies in AI Application Development**
Dae Hyun Kim*, **Yoonsu Kim***, Hyungyu Shin, Jinho Son, Juho Kim (* Corresponding authors)
Korea Computer Congress 2023 (KCC 2023)

[D3] **Demonstrating AHA: Boosting Unmodified AI's Robustness by Proactively Inducing Favorable Human Sensing Conditions**
Sungjae Cho, Jaewoong Jang, **Yoonsu Kim**, Inseok Hwang
Adjunct Proceedings of the 2023 ACM International Joint Conference on Pervasive and Ubiquitous Computing & the 2023 ACM International Symposium on Wearable Computing (UbiComp/ISWC '23 Adjunct)

Experiences

HIS Lab (Human-Centered Intelligent System Lab in POSTECH)
Research Intern
Human-Computer Interaction, Human-AI Interaction, Embedded AI System
Jun 2021 - Feb 2022
Pohang, Republic of Korea

NAVER Connect Foundation
Manager of boostcamp
Web & Mobile, AI Software Education
Feb 2020 - Feb 2021
Seoul, Republic of Korea

Neuromeka
Software Development Intern
Android application development for robot manipulation and robot database management
Jun 2019 - Aug 2019
Pohang, Republic of Korea

Samsung Electronics Co.
Research Intern
Department of Visual Display, AI • Big Data Lab
Jan 2019 - Feb 2019
Suwon, Republic of Korea

SK Telecom
Software Development Intern
Department of Service Platform
AI Technology Unit, Knowledge and Technology Cell
Jun 2018 - Aug 2018
Seoul, Republic of Korea

Scholarship

National Scholarship (Science and Engineering)	**2017 - 2023**
Global Leadership Program	**Mar 2018 - Feb 2020**
Samsung Dream Class Scholarship	**Jan. 2018 ~ Feb. 2018**

Leadership & Service

Leadership

KAIST-Google exploreCSR
Student Organizer
Mar 2023 - Present

POSTECH Student Council
Director of Welfare Department
Feb 2019 - Feb 2021

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POSTECH Library Council
President, Vice President

Mar 2017 - Aug 2019

POSTECH Reader's Club 6
(Awarded by Excellent Mentee)
POSTECH Reader's Club 5

Feb 2019 - Dec 2018

Teaching

POSTECH Programming and Problem Solving (CSED101)
Teaching Mentor

Feb 2021 - Dec 2021

Volunteering

KOICA WFK Korean Medicine Volunteer Group Overseas Medical Volunteer Activities

Dec 2023
Krong Battambang,
Cambodia

KOICA WFK Korean Medicine Volunteer Group Overseas Medical Volunteer Activities

Aug 2019
Toshken, Uzbekistan

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