

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

IUI 2024

- [C2] **AI-to-Human Actuation: AI Proactively Induces Humans towards Favorable Sensing Conditions**

Sungjae Cho, Yoonsu Kim, Jaewoong Jang, Inseok Hwang

IMWUT 2023

Posters, Demos, and Workshop Papers

- [D1] **LLM-as-a-tutor in EFL Writing Education: Focusing on Evaluation of Student-LLM Interaction**

Jieun Han, Haneul Yoo, Junho Myung, Minsun Kim, Hyunseung Lim, Yoonsu Kim, Tak Yeon Lee, Hwajung Hong, Juho Kim, So-Yeon Ahn, Alice Oh

EMNLP 2024 Workshop on Customizable NLP (CustomNLP4U).

- [D2] **LLM-Driven Learning Analytics Dashboard for Teachers in EFL Writing Education**
Minsun Kim, Junho Myung, Seon Gyeom Kim, Yoosang Yoon, Hyunseung Lim, **Yoonsu Kim**,
Hwajung Hong, Alice Oh, Juho Kim, So-Yeon Ahn, and Tak Yeon Lee
EMNLP 2024 Workshop on Customizable NLP (CustomNLP4U).
- [D3] **Using Large Language Models to Diagnose Math Problem-Solving Skills at Scale**
Hyoungwook Jin*, **Yoonsu Kim***, Yeon Su Park, Bekzat Tilekbay, Jinho Son, Juho Kim
(* Corresponding authors)
L@S 2024 WIP
- [D4] **Beyond Prompts: Learning from Human Communication for Enhanced AI Intent Alignment**
Yoonsu Kim, Kihoon Son, Seoyoung Kim, Juho Kim
CHI 2024 Workshop on Getting Back Together: HCI and Human Factors Joining Forces to Meet the AI Interaction Challenge
- [D5] **RECIPE: How to Integrate ChatGPT into EFL Writing Education**
Jieun Han, Haneul Yoo, **Yoonsu Kim**, Junho Myung, Minsun Kim, Hyunseung Lim, Juho Kim, Tak
Yeon Lee, Hwajung Hong, So-Yeon Ahn, Alice Oh
L@S 2023 WIP
- [D6] **Towards Understanding the Challenges and Remedies in AI Application Development**
Dae Hyun Kim*, **Yoonsu Kim***, Hyungyu Shin, Jinho Son, Juho Kim (* Corresponding authors)
KCC 2023
- [D7] **Demonstrating AHA: Boosting Unmodified AI's Robustness by Proactively Inducing
Favorable Human Sensing Conditions**
Sungjae Cho, Jaewoong Jang, **Yoonsu Kim**, Inseok Hwang
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

HCI@KAIST Committee Student Committee	Mar 2024 - Present
KAIST-Google exploreCSR Student Organizer	Mar 2023 - Aug 2024
POSTECH Student Council Director of Welfare Department	Feb 2019 - Feb 2021
POSTECH Library Council President, Vice President	Mar 2017 - Aug 2019
POSTECH Reader's Club 6 (Awarded by Excellent Mentee)	Feb 2019 - Dec 2018
POSTECH Reader's Club 5	

Teaching

POSTECH Programming and Problem Solving (CSED101) Teaching Mentor	Feb 2021 - Dec 2021
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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