

# Yoonsu Kim

Ph.D. Student | HCI Researcher

✉️ [yoonsu16@kaist.ac.kr](mailto:yoonsu16@kaist.ac.kr) | [kys00816@gmail.com](mailto:kys00816@gmail.com) 🏠 <https://yoonsu0816.github.io/>

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## Research Interests

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

I am particularly interested in **understanding the difficulties users face when interacting with AI systems, designing AI systems that enhance human capabilities from a Human-Centered perspective, and enabling people to effectively use and collaborate with AI to amplify their abilities.**

Recently, I have been particularly interested in developing user-centered interactions that support **intent alignment in generative AI systems**, such as large language models (LLMs).

Through my work, I aim to contribute to helping people better utilize new technology.

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## 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

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## 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] **Applying the Gricean Maxims to a Human-LLM Interaction Cycle: Design Insights from a Participatory Approach**  
Yoonsu Kim, Brandon Chin, Kihoon Son, Seoyoung Kim, Juho Kim  
*CHI25 EA (Late Breaking Work)*.
- [D2] **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)*.
- [D3] **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)*.
- [D4] **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*
- [D5] **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*
- [D6] **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*
- [D7] **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*
- [D8] **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*

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## 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

**Jun 2019 - Aug 2019**

Pohang, Republic of Korea

Last updated: Mar 12, 2025

Android application development for robot manipulation  
and robot database management

**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

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## Scholarship

**National Scholarship (Science and Engineering)**

**2017 - 2023**

**Global Leadership Program**

**Mar 2018 - Feb 2020**

**Samsung Dream Class Scholarship**

**Jan 2018 ~ Feb 2018**

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## 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**

### Volunteering

**KOICA WFK Korean Medicine Volunteer Group Overseas Medical  
Volunteer Activities**

**Dec 2023**  
Krong Battambang,  
Cambodia

Last updated: Mar 12, 2025

