

# 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/>

---

## 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] **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)

*Proceedings of the Tenth ACM Conference on Learning @ Scale (L@S 2024, WIP).*

- [D2] **Beyond Prompts: Learning from Human Communication for Enhanced AI Intent Alignment**

Yoonsu Kim, Kihoon Son, Seoyoung Kim, Juho Kim

Last updated: Jul 14, 2024

*Proceedings of CHI Conference on Human Factors in Computing Systems (CHI'24 Getting Back Together Workshop).*

[D3] **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

*Proceedings of the Tenth ACM Conference on Learning @ Scale (L@S 2023, WIP).*

[D4] **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).*

[D5] **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

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

### Teaching

<b>POSTECH Programming and Problem Solving (CSED101)</b> Teaching Mentor	<b>Feb 2021 - Dec 2021</b>
---	----------------------------

### Volunteering

<b>KOICA WFK Korean Medicine Volunteer Group Overseas Medical Volunteer Activities</b>	<b>Dec 2023</b> Krong Battambang, Cambodia
<b>KOICA WFK Korean Medicine Volunteer Group Overseas Medical Volunteer Activities</b>	<b>Aug 2019</b> Toshken, Uzbekistan