Minsun Kim, HCI Researcher

9909cindy@gmail.com

EDUCATION

KAIST (Korea Advanced Institute of Science and Technology), Daejeon, Korea, Republic of,
Master of Industrial design   Aug 2022 - Aug 2024
Advisor: Tak Yeon Lee

KAIST, Daejeon, Korea, Republic of,
Bachelor of Electrical Engineering, Minor of Industrial Design   Mar 2017 - Jul 2022

CORE COMPETENCY

- **English** *C1 Level*
- **Qualitative Analysis**
- **Python, ReactJS**
- **Data Analysis**
- **User Research**
- **Prompt Engineering**
- **Figma**
- **Prototyping**

PUBLICATIONS

Designing Prompt Analytics Dashboards to Analyze Student-ChatGPT Interactions in EFL Writing
Minsun Kim, Junho Myung, Seon Gyeom Kim, Yoosang Yoon, Hyunseung Lim, Yoonsu Kim, Hwajung Hong, Alice Oh, Juho Kim, So-Yeon Ahn, Tak Yeon Lee, Preprints Under Review
- Conducted survey, interviews and observation with six EFL instructors about ChatGPT-student interaction.
- Developed dashboard prototypes with React, Plotly, and OpenAI API.
- Investigated design implications of prompt monitoring dashboard through thematic analysis.

FABRIC: Automated Scoring and Feedback Generation for Essays
Jieun Han, Haneul Yoo, Junho Myung, Minsun Kim, Hyunseung Lim, Yoonsu Kim, Tak Yeon Lee, Hwajung Hong, Juho Kim, So-Yeon Ahn, Alice Oh, Preprints Under Review
- Conducted a focus group interview with six students and administered written interviews with three EFL instructors to identify feedback types and ascertain their needs.
- Spearheaded the identification of automated essay scoring needs through interviews conducted using the RECIPE system.

Exploring Student-ChatGPT Dialogue in EFL Writing Education
Jieun Han, Haneul Yoo, Junho Myung, Minsun Kim, Tak Yeon Lee, So-Yeon Ahn, Alice Oh, NeurIPS 2023 Workshop, Generative AI for Education(GAIED), Poster
- Suggested to construct prompt taxonomy via qualitative coding in the field of natural language processing.
- Served as a data analyst to identify the intentions of 2000+ prompts from EFL students.

RECIPE: How to Integrate ChatGPT into EFL(English as a Foreign Language) 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, In Proceedings of the Tenth ACM Conference on Learning @ Scale (L@S '23). Association for Computing Machinery, New York, NY, USA, 416–420.
- Conducted a focus group interview with six students to identify the system needs when using ChatGPT as an English essay writing tool.
- Supervised 120+ students enrolled in EFL courses and addressed system-related inquiries.

PROFESSIONAL EXPERIENCE

Workshop	**Generative AI + Education @ KAIST with Elice**	Nov 2023

Talk: Real-time prompt monitoring dashboard for teacher

Employment	**Repla Inc., Suwon, Korea, Republic of**	Jan 2022 - Jun 2022

Research and Development Engineer, UX/UI Designer
*Patent: Dongeun Suh, **Minsun Kim**, Hyunjin Lee, Laeeun Kim, "DEVICE FOR DETERMINING TYPE OF MEASUREMENT OBJECT", KR-Registration No. 10-2563-2930000*

- Designed a platform for recycling companies to share resources seamlessly.
- Designed a control panel interface for an automated plastic sorting machine.
- Designed an app for remote control and real-time monitoring of the plastic sorting machine's operation and performance.

Internship	**Repla Inc., Suwon, Korea, Republic of**	Jul 2021 - Aug 2021

Research and Development Engineer, Sales

- Created 3D prototypes for an automated plastic sorting machine.
- Incorporate the needs from the field into the design of the machine.

TEACHING

Special Topics in Humanities<AI-Generated Writing and Literature>	Sep 2023 - Present

Teaching Assistant, Instructor: Seohyon Jung

- Analyzed patterns in prompts using ChatGPT
- Systematically tested various AI detectors for grading methods

System Design (Collaborated with NAVER Co.)	Mar 2023 - Jun 2023

Teaching Assistant, Instructor: Tak Yeon Lee

- Tutored students based on vision in product design approach.

AWARD

iF Design Award 2023	2022 - 2023

TRUXI - The New Self-Driving Infotainment System

Awarded by Professional Concept, User Interface Concepts

- Led a focus group interview and conducted surveys to investigate advantages and challenges associated with manned taxis.
- Designed an AI agent to replicate human behavior to provide comforting experiences for passengers.