Jennifer (Suyoun) Lee

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RESEARCH INTERESTS

Human–AI Interaction, Generative AI, AI Transparency, AI-Assisted Decision-Making

I aim to design and build interactive AI systems that help people clarify their values and critically evaluate AI assistance, enabling them to make informed decisions and maintain agency in everyday life.

EDUCATION

Korea Advanced Institute of Science and Technology (KAIST) *Aug.2025 - Present*
M.S. in Industrial Design
Advisor: Sangsu Lee

Korea Advanced Institute of Science and Technology (KAIST) *Aug.2020 - Aug.2025*
B.S. in Industrial Design, with an AI Special Designated Major
Graduated cum laude
Advisor: Hwajung Hong

PUBLICATIONS

(C: Conference & Journal, W: Workshop & Poster, ∗: Equal contribution)

[W2] "Oops! ChatGPT is Temporarily Unavailable!": A Diary Study on Knowledge Worker's Experiences of LLM Withdrawal
Eunseo Oh*, **Suyoun Lee***, Jae Young Choi*, Soobin Park, Youn-Kyung Lim
ACM Conference on Human Factors in Computing Systems (CHI LBW 2026)

[C1] Investigating AI-induced Technostress and Coping Strategies of Professionals
Heesung Kwon, Jeesun Oh, **Suyoun Lee**, Sunok Lee, Sangsu Lee
ACM Conference on Human Factors in Computing Systems (CHI 2026)

[C2] Creating Text-Based AI Clones of Myself: Exploring Perceptions, Development, Strategies, and Breakdowns
Donggun Lee*, **Suyoun Lee***, Hyunseung Lim, Hwajung Hong
International Journal of Human–Computer Studies (IJHCS 2026) Special Issue: "AI-Generated Personas: Representing User Needs with Generative AI Models."

[W1] LLM-Driven Learning Analytics Dashboard for Teachers in EFL Writing Education
Minsun Kim, SeonGyeom Kim, **Suyoun Lee**, Yoosang Yoon, Junho Myung, Haneul Yoo, Hyunseung Lim, Jieun Han, Yoonsu Kim, So-Yeon Ahn, Juho Kim, Alice Oh, Hwajung Hong, Tak Yeon Lee
Conference on Empirical Methods in Natural Language Processing (EMNLP 2024 Workshop CustomNLP4U)

AWARDS AND RECOGNITIONS

KAIST Student Identification (ID) Card Design Contest: Grand Prize *2024*
The winning design is now used for the official KAIST student ID card. Card Design

Dean's List: College of Engineering (Top 3%) *2024*

Undergraduate Research Program (URP) Excellent Award *2024*

KAIST Undergraduate Research Grant, 2.5M KRW *2023*

RESEARCH EXPERIENCE

Data Interaction Design Lab, KAIST *Dec. 2023 – Dec. 2024*

Undergraduate Research Intern (PI: Prof. Hwajung Hong)

[C2]

- **Role:** Co-developed the research concept and funding proposal, jointly securing KRW 2.5 million in KAIST undergraduate research funding. Co-designed and conducted pre- and post-study interviews, clone ideation workshops, and a seven-day clone-crafting study with 12 participants. Collaboratively analyzed interview transcripts, clone instructions, interaction logs, and daily reports to identify clone configuration and testing strategies, evolving self-perceptions, and breakdowns in self-representation. Co-wrote and revised the manuscript across submission cycles, incorporating reviewer feedback.
- **Methods and Tools:** Research system development (CloneBuilder), semi-structured interviews, ideation workshops, diary study, thematic analysis.

Next Interface Lab, KAIST *Jun. 2024 – Sep. 2024*

Undergraduate Research Intern (PI: Prof. Sangsu Lee)

[C1]

- **Role:** Contributed to study design, participated in focus group interview sessions for a study involving 19 professionals, and collaborated on code review and thematic analysis to identify AI-induced technostressors and characterize coping strategies. Contributed to manuscript revision.
- **Methods and Tools:** Focus group interviews, thematic analysis, collaborative code refinement.

AI Experience Lab, KAIST *Dec. 2023 – Jun. 2024*

Undergraduate Research Intern (PI: Prof. Tak Yeon Lee)

[W1]

- **Role:** Contributed to open coding and thematic analysis of data on teachers' needs for a learning analytics dashboard in EFL writing education, and assisted with manuscript preparation.
- **Methods and Tools:** Open coding, thematic analysis.

INDUSTRY COLLABORATION PROJECTS

Ecosian & 2PM Lab, at KAIST *(Supported by the Ministry of Science and ICT)* *Aug.2026 - Present*

Role: Developing an AI-assisted carbon accounting system focused on emissions associated with companies' purchased goods and services (Scope 3). Designing AI agents that classify purchasing records into emissions categories and guide users through clarification steps, determining when human input is needed and what questions to ask.

LG U+, at KAIST *Oct.2026 - Present*

Role: Developing an AI evaluator to assess conversations between users and LLM-based phone agents. Defining user experience evaluation criteria and integrating post-call survey responses, system logs, and LLM-based assessments into the evaluation framework.

NH Investment & Securities, at KAIST *Jun.2026 - Oct.2026*

Role: Created stock trader personas using NVIDIA's Nemotron-Personas-Korea dataset and defined their needs for the Namuh desktop trading app. Translated these needs into feature concepts and built interactive prototypes using Claude Design. Conducted a quantitative user evaluation of the prototypes across five dimensions: usefulness, appeal, intention to use, ease of use, and novelty.

HS Hwasung Co.,Ltd, at KAIST *Aug.2025 - Aug.2026*

Role: Conducted participatory design workshops with apartment residents, using interviews and sketching to explore needs and expectations for integrated home control panels. Designed integrated switches and multifunctional lifestyle information devices, considering intuitive use, sustainability, and clear feedback.

LEADERSHIP

Served as an English Mentor for Seven Middle School Students KSOP (KAIST Science Outreach Program) *Mar.2023 - Jun.2023*

Head of the International Department at *The KAIST Herald* *Feb.2023-Dec.2023*

Member of the 2022 ID KAIST Student Council *Feb.2022 - Dec.2022*

Served as a Freshman Residential Mentor in 2022 *Feb.2022 - Dec.2022*

Teaching Assistant for the 2022 Freshman English Camp *Dec.2021 - Jan.2022*

SKILLS

Research Methods

- **Technical:** Full-stack prototyping, data-driven system development, AI agent design.
- **Qualitative:** Semi-structured interviews, focus group interviews, participatory design workshops, diary studies, open coding, thematic analysis, textual–visual thematic analysis.

Languages: English (Native), Korean (Native), French (Intermediate)