

Hyun Seung Moon

Ph.D. Student, KAIST (Industrial Design; Data Science minor)
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Google Scholar · GitHub · LinkedIn

I build AI practice partners: agents that play the other person in a conversation, such as the patient a medical student learns to interview.

EDUCATION

- 2026 – present **KAIST**
Ph.D., Industrial Design (expected Feb 2031)
Minor in Data Science · AI Experience Lab · *Advisor*: Tak Yeon Lee
- 2024 – 2026 **KAIST**
M.S., Industrial Design
AI Experience Lab · *Advisor*: Tak Yeon Lee
Thesis: When I Need a Stand-in: Building Artificial Social Actors for Negotiation with User-Guided Inference and Disclosure · [Demo](#)
- 2014 – 2022 **Yonsei University**
B.S., Industrial Engineering

RESEARCH COLLABORATIONS

At KAIST AI Experience Lab

- 2025 – present **Asan Medical Center** · Lead Researcher
Osler, a voice agent for pre-surgery breast cancer counseling; pilot clinical study with more than 100 patients · [Demo](#)
- 2025 – present **Severance Hospital** · Lead Researcher, with ICLab
Voice-based virtual patients (24 cases) for practicing psychiatric history-taking · [Demo](#)
- 2025 **NH Investment & Securities** · Researcher
A personal finance podcast generator built from trading-app data · [Video](#)
A pipeline that turns analyst reports into one-minute videos · [Video](#)
- 2024 – 2025 **LG Electronics CX Center** · Co-Lead Researcher
Chat agents grounded in a 4,000-person survey; four months with 47 employees [U1] · [Video](#)

PUBLICATIONS

Conference papers (peer reviewed)

- [C1] **Toward Flexible Psychiatric History-Taking and Visualization: Exploring Clinician Perspectives with Large Language Models**
Yugyeong Jung, Thu Hoang Anh Vo, **Hyun Seung Moon**, Jae Young Choi, Hyangkyeong Oh, Ujin Lee, Eunjo Kim, Tak Yeon Lee, Uichin Lee
ACM CHI 2026 · [DOI](#)
- [C2] **CineTalk: Designing an LLM Chatbot for Exploring Diverse Perspectives in Digital Content Appreciation**
Gahyeon Bae, Gahyeon Kim, **Hyun Seung Moon**, Tak Yeon Lee, Hwajung Hong
ACM CUI 2026 (short paper) · [DOI](#)
- [C3] **HistoChat: Leveraging AI-Driven Historical Personas for Personalized and Engaging Middle School History Education**
Yeon Soo Kim*, **Hyun Seung Moon***, Sangsu Lee, Tak Yeon Lee (**co-first authors*)
ACM CSCW 2025 · [DOI](#) · [Demo](#)

Late-breaking work (peer reviewed)

- [L1] **Understanding How Creators Collaborate with Conversational Agents in Short-Form Video Production**
Hyun Lee, Yoonjae Oh, **Hyun Seung Moon**, Tak Yeon Lee
ACM CHI 2026 Extended Abstracts · [DOI](#)

Workshop papers (peer reviewed, non-archival)

[W1] **Same Behavior, Different Feedback: Interpreting Multi-Agent Coordination Beyond Performance Metrics**
Kyungyoon Jung, Donggun Lee, **Hyun Seung Moon**, Eunji Shin, Seon Gyeom Kim, SeongWon Hong, Juho Kim, Tak Yeon Lee
NeurIPS 2026 Workshop on Interpreting Agent Behavior (IAB) · Sydney, Dec 2026 · [OpenReview](#)

[W2] **Human-Grounded Representations for Neuro-Symbolic Monitoring of Multi-Agent Coordination**
Donggun Lee, Kyungyoon Jung, **Hyun Seung Moon**, Jaywoong Jeong, Eunji Shin, Seon Gyeom Kim, SeongWon Hong, Juho Kim, Tak Yeon Lee
NeurIPS 2026 Workshop on Neuro-Symbolic Embodied Intelligence (NEmo) · Sydney, Dec 2026 · [OpenReview](#)

Under review

[U1] **Customer agents built from a 4,000-person survey for enterprise product teams**
Used by 47 employees for 4 months · **Hyun Seung Moon** (co-first author), with 10 co-authors
Title and author list withheld for anonymous review

PATENTS

[P1] **Voice-Recognition Based Customized Automatic Medical Interview and Realtime Diagnostic Node Visualization System**
Korean Patent Application No. 10-2026-0156592 · filed Aug 20, 2026 · Pending

TEACHING

2024 – 2026 **KAIST Industrial Design** · Teaching Assistant
ID503 Design Project 1 · ID.49902 Designing Artificial Human Behavior · ID403 System Design

HONORS & AWARDS

2026 Winner, Red Dot Award: Design Concept
STAT: multimodal AI guidance for bystanders in the golden hour

2025 Finalist, IDEA Award
AIRCUBE: a collapsible air-pocket system for underground flooding

SERVICE

2026 **KAIST Night at CHI 2026, Barcelona** · Lead Organizer
Led the organizing team of a networking event for the KAIST HCI community during CHI 2026.

2026 Reviewer, ACM CHI (Conference on Human Factors in Computing Systems)

PRIOR EXPERIENCE

2022 – 2023 **Gallma**, Seoul · Co-Founder & Game Director
Giida, a history education game set in an art gallery; developed solo · [Trailer](#) · [Store](#)

2018 – 2020 Mandatory military service, Republic of Korea Army

2017 **LuxRobo**, Seoul · Software Engineer
Software for robotics education products · [Site](#)

2016 – 2017 **YonkoTV / Youniv**, Seoul · Co-Founder & Chief Data Officer
Built the channel's data analysis tools, ran its analytics, wrote business plans and pitched; 2.77M subscribers, 1.4B+ views · [Channel](#) · [Site](#)

SKILLS

Programming Python, R, TypeScript (React, Node.js), SQL, C++

LLM systems Real-time voice agents, multi-agent orchestration, RAG, LLM-as-judge evaluation

Statistics Mixed-effects models, hypothesis testing, clustering, inter-rater reliability

Languages Korean (native), English (fluent)