

JUNGWOO RHEE

PhD Student, Industrial Design (HCI) · KAIST

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RESEARCH INTERESTS

I design and study creativity support tools for sensemaking — interactive systems, spanning multimodal, XR, and generative-AI interfaces, that help people externalize and structure their thinking.

EDUCATION

PhD, Industrial Design (Human-Computer Interaction)

Sep 2025 – present

KAIST — Korea Advanced Institute of Science and Technology

Advisor: Prof. Andrea Bianchi, make lab

MSc, Industrial Design (Human-Computer Interaction)

Aug 2023 – Aug 2025

KAIST · Advisor: Prof. Andrea Bianchi, make lab

Thesis: “Designing Fluid, Environmentally Adaptive XR Interfaces for Responsive, Situated Interactions”

Committee: Prof. Andrea Bianchi, Prof. Sangsu Lee, Dr. Mustafa Doga Dogan

BFA, Spatial Design (Minor: Software)

Mar 2018 – Aug 2023

Kookmin University · Exchange: Northeastern Illinois University, Art + Design (Aug – Dec 2021)

PUBLICATIONS

Full Papers

2026 CHI · ORAL · Honorable Mention · co-first

Punn Lertjaturaphat*, **Jungwoo Rhee***, Jaewon You, Andrea Bianchi. “Wire Your Way: Hardware-Contextualized Guidance and In-situ Tests for Personalized Circuit Prototyping.” *Proceedings of the 2026 CHI Conference on Human Factors in Computing Systems* [DOI]

2026 CHI · ORAL

Anam Ahmad Khan, Florian Weidner, **Jungwoo Rhee**, Yasmeen Abdrabou, Andrea Bianchi, Eduardo Velloso, Hans Gellersen, Joshua Newn. “Gaze and Speech in Multimodal Human-Computer Interaction: A Scoping Review.” *Proceedings of CHI '26* [DOI]

2024 HCI Korea

Jungwoo Rhee, Andrea Bianchi. “How Professionals Use Visual Asset Management: An Exploration through Interviews.” *HCI Korea 2024*

Posters/ Workshop Papers

2026 CHI Poster · ORAL · co-first

Seunghwa Pyo*, Donggun Lee*, **Jungwoo Rhee***, Soobin Park, Youn-kyung Lim. “One Is Not Enough: How People Use Multiple AI Models in Everyday Life.” *Extended Abstracts of CHI '26* [DOI]

2026 CHI Workshop

Jungwoo Rhee. “Deepening, Redirecting, Expanding: A Design Space for Generative Interfaces with Qualitative Inquiry.” *Generative UI Workshop, CHI '26* [PDF]

Jungwoo Rhee. "Passive Observation and Asynchronous Feedback to Mitigate Meeting Fatigue."
Scaling Distributed Collaboration in Mixed Reality Workshop, CHI '25 [\[PDF\]](#)

RESEARCH EXPERIENCE

AI-Powered Investment Onboarding Scenarios

Dec 2025 – present

NH Investment & Securities

- Designing and evaluating generative-AI interaction flows for financial-literacy onboarding, with adaptive scenario branching to support reflective decision-making.

SpaceTop XR Productivity Workstation

Jul 2024 – present

ITRC SpaceTop Research Center (IITP, 8-year program)

- Investigating spatial-computing HCI paradigms for "everywhere XR" productivity; prototyping interfaces for multi-surface, ambient contexts.

Soma Design with Soft Haptics

Nov 2024 – present

NRF Korea × KTH Royal Institute of Technology × Uppsala University (3-year grant)

- Exploring somatic interaction design through soft haptic modalities, in cross-cultural collaboration with Swedish research groups.

XR Concert Space: Visual / Auditory / Haptic Interaction

May 2024 – present

NRF Korea × SUSTech, China (3-year grant)

- Designing multimodal interaction for immersive XR concert experiences with international research partners.

Haptic Interfaces for Blind and Low-Vision Pedestrians

Oct – Dec 2025

Electronics and Telecommunications Research Institute (ETRI)

- Prototyped haptic-feedback designs to assist blind and low-vision users with independent walking navigation.

AI Red-Teaming for Reflective Investment Scenarios

Nov 2024 – Mar 2025

NH Investment & Securities

- Developed red-teaming strategies for AI-mediated investment tools to surface failure modes in reflective-reasoning support.

VR Investment Spatial Interaction

Sep 2023 – Nov 2024

NH Investment & Securities

- Designed and evaluated spatial-interaction paradigms for VR-based investment scenario exploration.

ACADEMIC SERVICE

External Reviewer

DIS 2026, SUI 2026, IMMUT 2026

Assistant to Program Committee

UIST 2025

Student Volunteer

CHI 2025, UIST 2025

TEACHING

Teaching Assistant, KAIST

Designing Interactions with AI

Fall 2025

Software Prototyping Spring 2025, 2026
Graphic Design Spring 2024
Interactive Space Fall 2023
Design Tutor · Litas Corp. Mar 2022 – Aug 2023
– Designed curriculum and instructed 200 students in collaboration with 30 educators.

HONORS & AWARDS

CHI 2026 Honorable Mention Award Best Paper Honorable Mention (top ~5%), ACM CHI, for Wire Your Way (co-lead) Apr 2026
International Design Excellence Awards (IDEA) — Finalist Professional category, IDSA (co-lead) Aug 2025
Ministry Prize of Education Promising Student Start-up Team 300, Value-Up Track Aug 2024
Grand Prize Seoul Open Data Square Mobile App/Web Contest Jun 2023
School of Design Scholarship 50% departmental, 1 year, Kookmin University Mar 2022

INDUSTRY EXPERIENCE

Product Designer · Fliption Inc. Apr – Jul 2025
– Led end-to-end UX/UI for an AI-powered virtual try-on platform: interaction model, visual system, and prototype delivery.
Web Design Intern · Cherish Co., Ltd. Dec 2020 – Feb 2021
Signage Design Research Intern · Bluestone May – Aug 2019
Content Design Intern · Interstella Inc. Jun – Aug 2018