

Jiyeon Han

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Skills & Tools

User Research

User Interviews
Usability Testing
Survey & Questionnaire
Comparative Analysis
Think-Aloud Protocol
Heuristic Evaluation
Accessibility Testing
Affinity Mapping
Task Flow Analysis

Data Analysis

Likert-Scale Surveys
Behavioral Analysis
Interaction Logging
Completion Time Analysis
Quantitative Data Analysis

Prototyping and Development

Figma
Wireframing
Information Architecture
Flow Design
Python
HTML/CSS/JavaScript
Unity

Educations

MS in Computer Engineering

Ewha Womans University
August, 2024

BS in Computer Engineering

Ewha Womans University
February, 2022

Research Experience

HCI Lab, Ewha Womans University

Research Assistant | Jan, 2022 – Aug, 2024

Published 2 CHI posters on AI usability.
Designed and conducted usability studies with over 40 participants on AI workflows, healthcare UX, and accessibility.
Led comparative UX research on AI vs. search-based interfaces, identifying usability challenges in prompt engineering (MuseForge).
Evaluated tactile interfaces for visually impaired users, reducing task completion time by 30% (TogGrid).

Projects

AscleAI: AI-Powered Clinical Note Management

Researcher | Sep, 2023 – May, 2024

Conducted usability testing with 6 clinicians, optimizing RAG-based AI search UX.
Reduced chart lookup time from 4.75 min to 1–2 min (80% improvement).
Achieved 4.5/7 usability rating, validating the system's real-world applicability.
Developed RAG-based LLM for AI-driven summarization and clinical note management.
Published research at CHI 2024 Late-Breaking Work session.

MuseForge: Music Generation Model UX Research

Researcher | Jan, 2023 – May, 2024

Led 16 usability tests, identifying prompt engineering UX challenges and proposing five UX improvement recommendations.
Published research at CHI 2024 Late-Breaking Work session.

TogGrid: Low-Cost Tactile Learning Tool

Researcher | Jan, 2022 – Dec, 2023

Developed a low-cost (\$10) tactile prototype, conducting 12 usability tests with visually impaired users.
Achieved over 80% user preference, reducing task completion time by 30%.
Published research at IJASC.