

Seung Wook Hong

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Research Interests

Human-Computer Interaction, Spatial Interaction / 3D Interface Design, Inclusive Technology

Education

Mar 2020 — Aug 2026

Seoul National University, College of Liberal Studies

BEng in Computer Science and Engineering

BA in Human-Computer Interaction and Design (Student-Designed Major)

GPA: 4.17 / 4.30 (Average: A+/A0)

Jan 2025 — May 2025

Georgia Institute of Technology

Undergraduate Exchange Program in Computer Science

GPA: 4.0 / 4.0

Publications & Presentations

SleepTube: Design of a Digital Self-Control Tool to Enhance the Benefits of Watching Videos before Bedtime.

Jeong, E.*, **Hong, S. W.***, Song, J. I.*, & Lim, H. (2024). (*Equal contribution)

Proceedings of HCI Korea 2024. (Also orally presented)

Research Experience

Jan 2025 — May 2025

Atlanta, GA, USA

Undergraduate Researcher — Georgia Tech CoWell Lab (Advisor: Jennifer Kim)

Exploring the use of generative AI to support instructors in adapting course materials based on Universal Design for Learning (UDL) principles

- Conducted a comprehensive literature review on accessibility and accommodation practices to inform AI-driven design guidelines.
- Designed and implemented a web interface enabling instructors to generate, review, and customize UDL-compliant course adaptations interactively with an LLM.

Mar 2024 — Feb 2025

Seoul, South Korea

Researcher — Injaerim SOUL Research Project (Advisor: Dongwhan Lee)

Redesigning Seoul Subway Information System

- Led UX research exploring navigation challenges for people of diverse age groups, foreigners, and visually impaired users in the Seoul Subway system.
- Synthesized findings from Think-Aloud and semi-structured interview studies into an information design framework including: continual display of core information, concise supplementary details, sense of stability and control, logical design, readability and audibility, and appropriate placement.
- Produced two prototypes: a step-by-step subway guide app suitable for VoiceOver and a directional signage concept featuring intuitive icons and auditory cues.

Jun 2024 — Aug 2024

Seoul, South Korea

Undergraduate Research Intern — SNU HCS Lab (Advisor: Youngki Lee)

Explorable Ideas: Externalizing Ideas as Explorable Environments

- Proposed and implemented a dual-scale interaction model where categorized ideas form body-scale “islands” for focused exploration and a mini-scale overview for cross-category ideation.
- Investigated how spatial interaction design can shape divergent and convergent thinking in creativity processes.

Mar 2023 — Feb 2024

Seoul, South Korea

Undergraduate Researcher — SNU ISC URL Research Program (Advisor: Hajin Lim)

SleepTube: Design of a Digital Self-Control Tool to Enhance the Benefits of Watching Videos before Bedtime

- Examined the relationship between bedtime video watching, lifestyle, and sleep quality through a survey of 241 participants, inferring a self-reinforcing “guilt– bad sleep” cycle from quantitative patterns and qualitative feedback.
- Crafted a mobile prototype enabling users to curate videos and receive reassuring feedback, aimed at breaking the “guilt–bad sleep” cycle.

Dec 2020 — Feb 2021

Seoul, South Korea

Undergraduate Research Intern — SNU DxD Lab (Advisor: Hwajung Hong)

- Suggested and helped conceptualize a preview learning platform for individuals with Autism Spectrum Disorder (ASD) to improve readiness for VR vocational training.
- Assisted in expert interviews and helped organize training scenarios and possible use cases for vocational simulations.

Work Experience

Aug 2025 — Present

Seoul, South Korea

(Remote)

Lead Designer — OurHomeDoc

Healthcare startup connecting home-visit doctors with patients

- Designed a patient-facing website emphasizing service value and ease of use.
- Creating a modern CRM platform that enables medical professionals to efficiently manage patient visits and schedules.
- Contributed to the team’s receipt of the Encouragement Award (joint 4th place) at the 2025 Student Startup Promising Team 300+ Leap Track (General) Demo Day through intuitive UI/UX design.

Jan 2023 — Feb 2023

Seoul, South Korea

3D & UX Design Intern — GoQba Technology

SeeZ Project: Digital XR therapeutics for upper limb rehabilitation

- Developed a 3D UI design system ensuring visual and interaction consistency across SeeZ's digital therapeutics platform.
- Conceptualized and modeled a narrative-driven game mode that made rehabilitation more immersive, enjoyable, and motivating for users.

Feb 2021 — Aug 2022

Camp Humphreys,

South Korea

KATUSA Sergeant — U.S. Army, Camp Humphreys

Korean Augmentation to the U.S. Army / Religious Affairs Specialist (56M)

- Designed, managed, and executed 17 cultural exchange & volunteering programs, impacting over 1,000 soldier & family participants in the brigade
- Implemented the Emergency Resources Card & Website, which was presented as a model case and benchmarked by multiple Unit Ministry Teams within the 8th Army

Awards & Honors

Feb 2025

Injaerim SOUL Best Project Award

Korea Foundation for Advanced Studies

Dec 2024

Second Award & Third Award — 19th International Universal Design Contest

The Human Rights Forum of Persons with Disabilities in Korea

Dec 2024

Korea-U.S. High-Tech Industry Student Exchange Program Scholarship (US\$9,000)

Ministry of Trade, Industry and Energy, Republic of Korea

Feb 2024 — Feb 2025

Injaerim Talent Innovation & Scholarship Program (KRW 10,000,000)

Korea Foundation for Advanced Studies

Mar 2024, Sep 2024

Merit Based Scholarship (Tuition 100% Covered)

Seoul National University

Jun 2023

Outstanding Volunteer Award

Seoul National University Social Responsibility

Jun 2023

Social Volunteering Outstanding Report Award

Seoul National University Social Responsibility

May 2022

Army Commendation Medal (ARCOM)

United States Army

Mar 2022

Army Achievement Medal (AAM)

United States Army

Leadership & Activities

Aug 2025 — Present

Selected Participant — Korea-Nordic Future Challenge

Korea Foundation for Advanced Studies, Uppsala University & KTH

May 2025 — Aug 2025

Leader — 2025 Summer SNU Volunteer Corps in Nepal

Seoul National University Social Responsibility

Jan 2025 — Apr 2025

Committee Member — Georgia Tech International House

Georgia Tech Office of International Education

Nov 2023 — Feb 2024

Design Team Leader & Film Crew — 2023 Winter SNU Volunteer Corps in Malaysia

Seoul National University Social Responsibility

Jun 2023 — Jul 2023

Selected Participant — SNU in Paris

3-Week Study & Live Abroad Program by SNU Office of International Affairs

Mar 2023 — Present

Group Leader (2023 Spring) & Design Team Member — SNU Buddy

SNU's official buddy program assisting foreign exchange students in collaboration with the SNU Office of International Affairs

Mar 2023 — Jul 2023

Volunteer Mentor — Boramae Youth Center

Mentoring middle school students in math as part of the Seoul National University Social Responsibility Social Volunteering program

Sep 2020 — Dec 2020

Volunteer Mentor — South-North Love School

Mentoring a North Korean defector preparing for the high school equivalency exam in English as part of the Seoul National University Social Responsibility Social Volunteering program

Invited Talks

Nov 2025

KFAS Dream Lecture: Academic Planning and Career Seminar Led by Scholarship Recipients for High School Students

Korea Foundation for Advanced Studies

Skills

- **Design & Prototyping** | Adobe Creative Suite (Ps, Ai, Id, Pr, Ae, Xd), Figma, Blender, Cinema 4D, SketchUp
- **Programming & Coding** | Java, Unity (C#), HTML/CSS/JS, Python, C
- **User Research** | JASP, PsychoPy, Qualitative User Research & Analysis

References

Hajin Lim

Endowed Assistant Professor of Information Science and Culture (ISC) Studies, Seoul National University
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Youngki Lee

Professor of Computer Science and Engineering, Seoul National University
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Jennifer G. Kim

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