Hyehyun Chu

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Research interest

I am fundamentally interested in helping people become proficient with technology. To achieve this, I believe that accessibility and learning in technology are crucial. Therefore, I aim to research in the fields of **Accessibility**, **Human-AI interaction**, and **Computer-Supported Collaborative Learning**.

Education

Korea Advanced Institute of Science and Technology (KAIST) — Daejeon, South Korea
March 2019 – August 2024

- MSc in Computer Science (Specialization: Human-Computer Interaction)
- Advisor: Juho Kim

Seoul National University — Seoul, South Korea
March 2019 – August 2024

- BS in College of Liberal Studies (Computer Science and Engineering, Information Science and Culture)
- GPA: 3.8/4.3 (Cum Laude)

Experience

Research Intern, KAIST KIXLAB — Daejeon, South Korea
July 2024 - August 2024

- Advisor: Prof. Juho Kim
- Participated in the development and design of a project for automative UI generation based on user's LLM usage

Research Intern, Seoul National University HCI+D Lab — Seoul, South Korea
February 2024 - June 2024

- Advisor: Prof. Hajin Lim, Prof. Joonhwan Lee
- Actively involved in the development and design of a project website for a research study on generating digital doppelgänger by LLM, which is a collaboration with CMU

Software Developer Intern, Samsung Electronics — Suwon, South Korea
July 2023 - August 2023

- Developed a internal service that increased productivity of company employees
- Planned new UX/UI based on the incoming POV and design an efficient API communication structure

Project Manager, AIMED — Seoul, South Korea
June 2021 - December 2021

- Collaborated with the developers to ensure tasks were completed on time and met quality standards
- Analyzed project data and created reports to present to senior management, resulting in improved decision-making

Publications

Visual Embedding of Screen Sequences for User-Flow Search in Example-driven Communication

Daeheon Jeong*, **Hyehyun Chu***

CHI 2025 Extended Abstracts (Late Breaking Work)

NoRe: Augmenting Journaling Experience with Generative AI for Music Creation

Joonyoung Park*, Yeeun Lee*, Hyewon Cho*, **Hyehyun Chu***, Jiin Cheon*, Jinsu Eun, and Hajin Lim

HCI Korea 2025

EmoBridge: Bridging the Communication Gap between Students with Disabilities and Peer Note-Takers Utilizing Emojis and Real-Time Sharing

Hyungwoo Song*, Minjeong Shin*, **Hyehyun Chu***, Jiin Hong*, Jaechan Lee, Jinsu Eun, and Hajin Lim

ASSETS 2024 Technical Papers

EmoBridge: Design of a Collaborative Note-taking System to Improve Communication between Students with Disabilities and Peer Notetaker

Hyungwoo Song*, Minjeong Shin*, **Hyehyun Chu***, Jiin Hong*, Jaechan Lee, Jinsu Eun, and Hajin Lim

HCI Korea 2024

* indicates equal contribution

Academic Services

Reviewer

- CHI 2025 LBW

Award

HCIK Best Paper Award January 2024

- Won Best Paper Award by 'EmoBridge: Design of a Collaborative Note-taking System to Improve Communication between Students with Disabilities and Peer Notetaker'

JUNCTION ASIA 2023 HACKATHON August 2023

- Won 2nd Place in CNK Track of Junction Asia 2023 Hackathon with an delivery service for reclusive loners
- Participated in PM, Design, Development

SPARCS HACKATHON January 2023

- Won Silver Award at KAIST SPARCS Hackathon with an alternative text generation service for the visually impaired people
- Participated in PM, Design, Development

Merit Based Scholarship March 2020 - June 2024

- Merit Based scholarship awarded by Seoul National University

Skills

Languages: Korean, English, Japanese

Technologies: HTML, CSS, Javascript, Typescript, React, Next.js, Python, Java, Figma, Notion, Git