

# Hyehyun Chu

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## Research interest

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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

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### 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

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### 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 automotive 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

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### 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\*, Hye Hyun Chu\*, Jiin Hong\*, Jaechan Lee, Jinsu Eun, and Hajin Lim

*HCI Korea 2024*

\* indicates equal contribution

## Academic Services

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### Reviewer

- CHI 2025 LBW

## Award

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### 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

Busan

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

August 2023

### SPARCS HACKATHON

Seoul

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

January 2023

### Merit Based Scholarship

March 2020 - June 2024

- Merit Based scholarship awarded by Seoul National University

## Skills

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**Languages:** Korean, English, Japanese

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