

# Mina Huh

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## RESEARCH INTERESTS

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Human-Computer Interaction, AI-powered Creativity-Support Tools, Accessibility, Video Interaction

## EDUCATION

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### The University of Texas at Austin

Austin, Texas

Ph.D. in Computer Science, Advisor: Dr. Amy Pavel

Aug.2022-

### Korea Advanced Institute of Science and Technology (KAIST)

Daejeon, Korea

B.S. in Computer Science, Advisor: Dr. Juho Kim

Mar.2016 - Feb.2021

## CONFERENCE PUBLICATIONS

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[c.7] Making Short-form Videos Accessible with Hierarchical Video Summaries

Tess Van Daele, Akhil Iyer, Yuning Zhang, Jalyn Derry, [Mina Huh](#), Amy Pavel

*CHI 2024: ACM Conference on Human Factors in Computing Systems*

[c.6] GenAssist: Making Image Generation Accessible - **Best Paper Award (top 1%)**

[Mina Huh](#), Yi-Hao Peng, Amy Pavel

*UIST 2023: ACM Symposium on User Interface Software and Technology*

[c.5] AVscript: Accessible Video Editing with Audio-Visual Scripts

[Mina Huh](#), Saelyne Yang, Yi-Hao Peng, Xiang ‘Anthony’ Chen, Young-Ho Kim, Amy Pavel

*CHI 2023: ACM Conference on Human Factors in Computing Systems*

[c.4] A Duoethnographic Study of a Mixed-Ability Team in a Collaborative Programming Context

[Mina Huh](#) and JooYoung Seo

*CSCL 2022: Conference on Computer-Supported Collaborative Learning*

[c.3] Exploring Perceptions, Practices, and Challenges of Using Makeup and Cosmetics for People with Visual Impairments

Franklin Mingzhe Li\*, Francheska Spector\*, Meng Xia\*, [Mina Huh](#)\*, Peter Cederberg, Yuqi Gong, Kristen Shinohara, and Patrick Carrington

(\*: 4 authors contributed equally)

*CHI 2022: ACM Conference on Human Factors in Computing Systems*

[c.2] Cocomix: Utilizing Comments to Improve Non-Visual Webtoon Accessibility

[Mina Huh](#), Yunjung Lee, Dasom Choi, Haesoo Kim, Uran Oh, and Juho Kim

*CHI 2022: ACM Conference on Human Factors in Computing Systems*

[c.1] RubySlippers: Supporting Content-based Voice Navigation for How-to Videos

Minsuk Chang, [Mina Huh](#), and Juho Kim

*CHI 2021: ACM Conference on Human Factors in Computing Systems*

## WORKSHOP PUBLICATIONS

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[w.1] Reimagining Accessibility and Inclusion in K-12 CS Education Through Curriculum and Professional Development

Maya Israel, Supriya Dey, Yota Dimitriadi, Heather Feldner, Amy Isvik, Noel Kuriakos, Jean Salac, Mina Huh, and Gesu India

*Microsoft Research Accessible Computer Science Education Fall Workshop, 2020*

## RESEARCH EXPERIENCES

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**Naver AI lab (with Dr. Young-Ho Kim)** Mar.2022 - Sep.2022

Accessible Video Editing with Audio-Visual Scripts *Published CHI`23 paper*

**UCLA HCI Lab (with Prof. Xiang Anthony Chen & Prof. Amy Pavel)** Jul.2020 – Sep.2022

Enhancing Information Seeking in Educational Videos for People with Visual Impairments

*Presented the work in SIGCHI CSCW Asia School 2020*

**KAIST Interaction Lab (with Prof. Juho Kim & Prof. Uran Oh)** Jan.2020 – Oct.2021

1. Data Modeling Techniques for Supporting Conversational Interaction in Video Tutorials

*Won Grand prize(1<sup>st</sup>) in URP program / Published CHI`21 paper*

2. Comments-driven Interaction Techniques to Improve Webtoon Accessibility *Published CHI`22 paper*

**UIUC Accessible Computing Lab (with Prof. JooYoung Seo)** April.2021 – Nov.2021

Understanding Experiences of Mixed-ability Team Collaborating in a Group Programming Project

*Published CSCL`22 paper*

**ETH Zürich DS3 Lab (with David Dao)** Sep.2019 – Jan.2020

Prediction of Audience Reaction to Public Speech

**Ecole Polytechnique Epizeuxis Lab (with Prof. Jiazi Yi & Prof. Thomas Clausen)** May.2019 – Aug.2019

Intelligent High-Performance Computing Network (esp. B.I.E.R)

## WORK EXPERIENCE

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**Software Developer of Humelo** Dec.2018 – Mar.2019

Product Team & API Server Team (<https://www.humelo.com>)

Designed the main webpage providing APIs and identified important user flows and patterns

**Software Developer of SPARCS OTL Team** Mar.2018 - 2019

SPARCS – Student Organization building and maintaining IT services for KAIST

Designed and implemented the timetabling website (OTL) with course information and reviews

Over 300 visitors per day (<https://otl.kaist.ac.kr/main/>)

## FELLOWSHIP & AWARDS

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**Best Paper Award** Oct.2023

UIST 2023; among the top 1% of all submissions [c.6]

## Special Recognition for Outstanding Reviews

CHI 2023

### Grand Prize, Undergraduate Research Participation @ KAIST

Aug.2020

*Won Grand prize(1<sup>st</sup>) from the engineering school with a conference fellowship*

### KAIST Undergraduate Research Grant

Feb.2020

Title: Data Modeling Techniques for Supporting Conversational Interaction in Video Tutorials

### LINE-KAIST Scholarship

Nov.2019

Encouraging scholarships for promising undergraduates majoring in Computer Science

### Grace Hopper Celebration - Google Travel Scholarship

Oct.2019

Based on leadership qualities, academic excellence, and efforts to increase women in tech

### Google Women Techmakers Scholarship

Aug.2018

73 accepted among 25,000 applicants

### National Excellence Scholarship (Natural Sciences and Engineering)

Mar.2016 – Feb.2020

Government funding for admission fees, the full amount of school support fees in the undergraduate program

## SERVICE

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### Academic Service

Organizing Committee: UIST 2023-2024 SV Co-chair / ASSETS 2023 Web Co-chair

Reviewer: CHI 2023 (with recognition), CHI LBW 2021-2023 / CSCL 2022 / CSCW 2021

Student Volunteer: ASSETS 2022, UIST 2020-2024

UT Austin Admission Committee Member for the Ph.D. Program 2023

### Outreach and Leadership

Korea Childhood Cancer Center Mentoring – Teaching English and Math virtually Jan.2021 - May.2021

Freshmen Guidance Group - Helping freshmen with academic work and school life Feb.2018 – Feb.2019

KSOP Mentoring - Teaching Math and Programming to gifted underserved students Feb.2017 - Dec.2017

KAIST Buddy Program - Helping international students adjust to campus life Aug.2017 - Dec.2017

## MEDIA COVERAGE

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**KAIST CS Annual Report:** Undergraduate winning 1<sup>st</sup> place in URP program Feb.2021

**KAIST Research Magazine:** “Creating technology that accommodates everyone” Nov.2020

**TJB News:** Student orchestra’s flash mob celebrating National Liberation Day of Korea Aug.2017

## TEACHING/MENTORING

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### Teaching Assistant

CS378 Introduction to Human-Computer Interaction, Instructor: Dr. Amy Pavel Spring 2023

### Undergraduate Research Assistants

Yejin Kwon – UCLA fall/winter intern 2021

## **SKILLS**

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**Languages** : JavaScript, Python, HTML/CSS, C, C++, Java

**TOEFL** : 115/120 (R 30/30, L 30/30, S 27/30, W 28/30)