

# 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.11] VideoDiff: Human-AI Video Co-Creation with Alternatives

**Mina Huh**, Dingzeyu Li, Kim Pimmel, Hijung Valentina Shin, Amy Pavel, Mira Dontcheva

*CHI 2025: ACM Conference on Human Factors in Computing Systems*

[c.10] Lotus: Creating Short Videos From Long Videos With Abstractive and Extractive Summarization

Aadit Barua\*, Karim Benharraq\*, Meng Chen, **Mina Huh**, Amy Pavel

*IUI 2025: ACM Conference on Intelligent User Interfaces*

[c.9] DesignChecker: Visual Web Design Support for Blind and Low Vision Web Developers

**Mina Huh**, Amy Pavel

*UIST 2024: ACM Symposium on User Interface Software and Technology*

[c.8] Long-form Answers to Visual Questions Asked by Blind and Low Vision People

**Mina Huh**, Fangyuan Xu, Chongyan Chen, Yi-Hao Peng, Hansika Murugu, Danna Gurari, Eunsol Choi, Amy Pavel

*COLM 2024: Conference on Language Modeling - **Oral Spotlight (top 2%)***

[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

**Mina Huh**, Yi-Hao Peng, Amy Pavel

*UIST 2023: ACM Symposium on User Interface Software and Technology - **Best Paper Award (top 1%)***

[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**, 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, Patrick Carrington (\*: equal contribution)

*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, 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**, Juho Kim

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

## DEMO/WORKSHOP PUBLICATIONS

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[w.2] GenAssist: Making Image Generation Accessible

**Mina Huh**, Yi-Hao Peng, Amy Pavel

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

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

Maya Israel, Supriya Dey, Yota Dimitriadis, 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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### Adobe Research

May.2024 - Aug.2024

Research Scientist Intern

Mentors: Dingzeyu Li, Mira Dontcheva, Valentina Shin, Kim Pimmel

### Naver AI lab

Mar.2022 - Sep.2022

Research Intern

Mentors: Young-Ho Kim, Minsuk Chang

### UCLA HCI Lab

Jul.2020 – Sep.2022

Research Intern

Mentors: Xiang Anthony Chen, Amy Pavel

### KAIST Interaction Lab

Jan.2020 – Oct.2021

Undergraduate Intern & Researcher

Mentors: Juho Kim, Uran Oh

## FELLOWSHIP & AWARDS – PH.D.

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<b>Google Ph.D. Fellowship</b>	2024-2026
Full tuition and stipend (\$70,000)	
<b>UT Graduate Dean's Prestigious Supplement Fellowship.</b>	2024-2025
Stipend and tuition assistance	
<b>Oral Spotlight</b>	Oct.2024
COLM 2024; among the top 2% of all submissions [c.8]	
<b>Best Paper Award</b>	Oct.2023
UIST 2023; among the top 1% of all submissions [c.6]	
<b>Special Recognition for Outstanding Reviews</b>	
CHI 2023, CHI 2024, CHI 2024 LBW, UIST 2024, CHI 2025	

## FELLOWSHIP & AWARDS – UNDERGRADUATE

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<b>Grand Prize, Undergraduate Research Participation @ KAIST</b>	Aug.2020
Won Grand prize(1 <sup>st</sup> ) from the engineering school with a conference fellowship	
<b>KAIST Undergraduate Research Grant</b>	Feb.2020
Title: Data Modeling Techniques for Supporting Conversational Interaction in Video Tutorials	
<b>LINE-KAIST Scholarship</b>	Nov.2019
Encouraging scholarships for promising undergraduates majoring in Computer Science	
<b>Grace Hopper Celebration - Google Travel Scholarship</b>	Oct.2019
Based on leadership qualities, academic excellence, and efforts to increase women in tech	
<b>Google Women Techmakers Scholarship</b>	Aug.2018
73 accepted among 25,000 applicants	
<b>National Excellence Scholarship (Natural Sciences and Engineering)</b>	Mar.2016 – Feb.2020
Government funding for admission fees, full amount of school support fees in the undergraduate program	

## WORK EXPERIENCE

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<b>Software Developer of Humelo</b>	Dec.2018 – Mar.2019
Product Team & API Server Team ( <a href="https://www.humelo.com">https://www.humelo.com</a> )	
Designed the main webpage providing APIs and identified important user flows and patterns	
<b>Software Developer of SPARCS OTL Team</b>	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 ( <a href="https://otl.kaist.ac.kr/main/">https://otl.kaist.ac.kr/main/</a> )	

## SERVICE

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### Academic Service

Organizing Committee: UIST 2023-2024 SV Co-chair / ASSETS 2023 Web Co-chair  
/ Generative AI and Accessibility Workshop at CHI 2025 Co-organizer

Reviewer: CSCW 2021 / CHI LBW 2021-2023 / CSCL 2022 / CHI 2023-2025 / UIST 2024

Student Volunteer: ASSETS 2022, UIST 2020-2024

UT Austin Admission Committee Member for the Ph.D. Program 2023-2024

### 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

## INVITED TALKS

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**CMU Accessibility Lunch Seminar** Oct.2024

*Generative AI for Accessible Creativity*

**UT Austin Natural Language Learning Seminar** Oct.2024

*Long-form Answer to Visual Question Answering*

## MEDIA COVERAGE

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**UT Austin CS News:** “Computer Science Doctoral Student Earns Google Fellowship” Nov.2024

**The Daily Texan** “UT computer science lab makes short-form content more accessible” Jul. 2024

**UT Austin CS News:** “Transforming Video Accessibility Through Artificial Intelligence” Jun.2024

**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

## 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 / Intizar Tashov – KAIST / Tess Van Daele, Akhil Iyer, Aadit Barua - UT Austin

## 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)