

Mina Huh

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RESEARCH INTERESTS

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

EDUCATION

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

[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 (Under Review)

[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 (Under Review)

[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

[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 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

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.

Google Ph.D. Fellowship	2024-2026
Full tuition and stipend (\$70,000)	
Oral Spotlight	Oct.2024
COLM 2024; among the top 2% of all submissions [c.8]	
Best Paper Award	Oct.2023
UIST 2023; among the top 1% of all submissions [c.6]	
Special Recognition for Outstanding Reviews	
CHI 2023, CHI 2024, CHI 2024 LBW, UIST 2024	

FELLOWSHIP & AWARDS – UNDERGRADUATE

Grand Prize, Undergraduate Research Participation @ KAIST	Aug.2020
Won Grand prize(1 st) 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, full amount of school support fees in the undergraduate program	

WORK EXPERIENCE

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/)	

SERVICE

Academic Service

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

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

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

INVITED TALKS

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

The Daily Texan “UT computer science lab announces way to make short-form content more accessible”

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

KAIST CS Annual Report: Undergraduate winning 1st place in URP program Feb.2021

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

TEACHING/MENTORING

Teaching Assistant

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

Undergraduate Research Assistants

Yejin Kwon – UCLA / Intizar Tashov – KAIST 2021

Tess Van Daele, Akhil Iyer, Aadit Barua - UT Austin 2023-2024

SKILLS

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

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