

Mina Huh

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RESEARCH INTERESTS

Human-Computer Interaction, Accessibility, Creativity-Support, Task Assistance, 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.12] Vid2Coach: Transforming How-To Videos into Task Assistants

Mina Huh, Zihui Xue, Ujjaini Das, Kumar Ashutosh, Kristen Grauman, Amy Pavel

arXiv preprint 2025 arXiv:2506.00717

[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 (top 1%)***

*** Covered in CS courses at Stanford, Harvard, University of Washington, UT Austin, Pomona College ***

- [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.5] Vid2Coach: Transforming How-To Videos into Task Assistants
Mina Huh, Zihui Xue, Ujjaini Das, Kumar Ashutosh, Kristen Grauman, Amy Pavel
CVPR 2025 Workshop: Vision-Based Assistants in the Real-World
- [w.4] Vid2Coach: Transforming How-To Videos into Task Assistants
Mina Huh, Zihui Xue, Ujjaini Das, Kumar Ashutosh, Kristen Grauman, Amy Pavel
CVPR 2025 Workshop: Second Joint Egocentric Vision (EgoVis) Workshop
- [w.3] 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
CVPR 2025 Workshop: Demographic Diversity in Computer Vision
- [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

Adobe Research

May.2025 - Aug.2025

Research Scientist Intern

Mentors: Bryan Wang, Dingzeyu Li, Ailie Fraser, Kim Pimmel, Mira Dontcheva

Adobe Research

May.2024 - Aug.2024

Research Scientist Intern

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

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)

UT Graduate Dean's Prestigious Supplement Fellowship

2024-2025

Stipend and tuition assistance

UT Professional Development Award

2025

Conference travel support

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, CHI 2025, DIS 2025, UIST 2025 (2)

FELLOWSHIP & AWARDS – UNDERGRADUATE

Grand Prize, Undergraduate Research Participation @ KAIST

Aug.2020

Won Grand prize(1st) 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

UIST 2023-2024 SV Co-chair / ASSETS 2023 Web Co-chair
 Generative AI and Accessibility Workshop at CHI 2025 Co-organizer
 Student Volunteer: ASSETS 2022, UIST 2020-2024
 UT Austin Admission Committee Member for the Ph.D. Program 2023-2024

Reviewer

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

Outreach and Leadership

Korea Childhood Cancer Center Mentoring – Teaching English and Math virtually	2021
Freshmen Guidance Group - Helping freshmen with academic work and school life	2018-2019
KSOP Mentoring - Teaching Math and Programming to gifted underserved students	2017
KAIST Buddy Program - Helping international students adjust to campus life	2017

INVITED TALKS

Miraikan Accessibility Event	May.2025
<i>Human-AI Systems for Accessible Creativity</i>	
UCSD Design Lab Seminar	Feb.2025
<i>Human-AI Systems for Accessible Creativity</i>	

CMU Accessibility Lunch Seminar <i>Generative AI for Accessible Creativity</i>	Oct.2024
UT Austin Natural Language Learning Seminar <i>Long-form Answer to Visual Question Answering</i>	Oct.2024

MEDIA COVERAGE

UT Austin CS News: <i>“Computer Science Doctoral Student Earns Google Fellowship”</i>	Nov.2024
The Daily Texan <i>“UT computer science lab makes short-form content more accessible”</i>	Jul. 2024
UT Austin CS News: <i>“Transforming Video Accessibility Through Artificial Intelligence”</i>	Jun.2024
KAIST CS Annual Report: <i>“Undergraduate winning 1st place in URP program”</i>	Feb.2021
KAIST Research Magazine: <i>“Creating technology that accommodates everyone”</i>	Nov.2020

TEACHING/MENTORING

Teaching Assistant

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

Undergraduate Research Assistants

Ujjaini Das, Tess Van Daele, Akhil Iyer, Aadit Barua - UT Austin

Yejin Kwon – UCLA / Intizar Tashov – KAIST

SKILLS

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

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