

# Ujjaini Das

ujjaini@utexas.edu | [ujjainidas.github.io](https://ujjainidas.github.io)

## RESEARCH INTERESTS

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Human-Computer Interaction, Accessibility, Human-Centered AI

## EDUCATION

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### The University of Texas at Austin

Austin, Texas

B.S. in Computer Science, Minor in Robotics, Advisor: Dr. Amy Pavel

Aug.2021 - Dec.2025

## CONFERENCE PUBLICATIONS

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[c.2] Co-Designing Multimodal Systems for Accessible Remote Dance Instruction

**Ujjaini Das**, Shreya Kappala, Meng Chen, Mina Huh, Amy Pavel

*[In Review] CHI 2026: ACM Conference on Human Factors in Computing Systems*

[c.1] Vid2Coach: Transforming How-To Videos into Task Assistants

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

*UIST 2025: ACM Symposium on User Interface Software and Technology*

## THESES AND TECHNICAL REPORTS

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[t.1] **Ujjaini Das**. Co-Designing Remote Dance Instruction Systems for Blind and Low-Vision Learners

*Committee: Amy Pavel, Kristen Grauman, Gordon Novak*

*UT Austin Undergraduate Honors Thesis, Turing Scholars Program, 2025*

## RESEARCH EXPERIENCES

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### UT Austin HCI Lab

Dec.2023 - Present

Undergraduate Researcher

Mentor: Amy Pavel

### Living With Robots Lab

Jan.2022 - Dec.2023

Freshman Research Initiative Student & Peer Mentor

Mentor: Justin Hart

### Autonomous Mobile Robotics Laboratory

Jan.2023 - Apr.2023

Undergraduate Researcher

Mentor: Joydeep Biswas

## WORK EXPERIENCE

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<b>Apple   Software Engineer</b>	Sep.2025 - Present
<i>Camera Foundation Team</i>	
Developing camera software for future visionOS (AR headset), iOS, macOS, and tvOS releases	
<b>Apple   Software Engineering Intern</b>	May.2024 - Aug.2024
<i>Lock Screen &amp; Wallpapers Team</i>	
Developed iOS 26 <a href="#">spatial wallpapers</a> feature	
<b>Apple   Software Engineering Intern</b>	May.2023 - Aug.2023
<i>Sensing &amp; Connectivity Team</i>	
Designed prototypes for <a href="#">iOS Apple Intelligence</a> notification summarization and context-based suggestions	
<b>Apple   Software Engineering Intern</b>	May.2022 - Aug.2022
<i>Core Bluetooth Team</i>	
Created multi-device Bluetooth testing system with Swift; managed continuous integration (CI) pipeline	

## FELLOWSHIP & AWARDS

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<b>CMD-IT/ACM Richard Tapia Conference Travel Scholarship</b>	2022
<b>Paul Khermouch Endowed Turing Scholarship</b>	2021
<b>Kodosky Turing Scholarship</b>	2021
<b>Texas Exes Scholarship</b>	2021

## TEACHING/MENTORING

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<b>Teaching Assistant</b>	
CS314H: Data Structures Honors, <i>Instructor:</i> Dr. Calvin Lin	Fall 2022, Fall 2023, Fall 2024
CS313E: Elements of Software Design, <i>Instructor:</i> Dr. Kia Teymourian	Spring 2023
CS303E: Elements of Computing and Programming, <i>Instructor:</i> Prof. Amrita Kaur	Spring 2024
<b>Peer Mentor</b>   Mentored students in research projects under the Freshman Research Initiative program	
Autonomous Intelligent Robotics, <i>Instructor:</i> Dr. Justin Hart	Spring 2023, Fall 2023
Robot Learning, <i>Instructor:</i> Dr. Ben Abbatematteo	Spring 2024

## OUTREACH AND LEADERSHIP

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<b>CS Honors MaGiCS Lead</b>	2023-2024
Organized community events for MaGiCS (marginalized genders in CS) in UT Austin CS honors programs	
<b>Turing Scholars Student Association Research Chair</b>	2023-2024
Promoted undergraduate involvement in CS research by organizing faculty talks and events	

## OTHER ACTIVITIES

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**MUSE Dance Company** | Dancer

2024-2025

Performed at student-led events on UT Austin's campus

## SKILLS

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**Languages:** C, C++, Objective-C, Swift, Go, CUDA, Rust, Verilog, Python, Java, HTML/CSS, JavaScript

**Frameworks:** numpy, PyTorch, scikit-learn, TensorFlow, OpenCV

**Platforms/Tools:** Docker, Kubernetes, Google Cloud Platform, ROS