

Ujjaini Das

ujjaini@utexas.edu | ujjainidas.github.io

RESEARCH INTERESTS

Human-Computer Interaction, Accessibility, Human-Centered AI

EDUCATION

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

[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

[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

UT Austin HCI Lab	Dec.2023 - Present
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Undergraduate Researcher

Mentor: Amy Pavel

Living With Robots Lab	Jan.2022 - Dec.2023
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Freshman Research Initiative Student & Peer Mentor

Mentor: Justin Hart

Autonomous Mobile Robotics Laboratory	Jan.2023 - Apr.2023
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Undergraduate Researcher

Mentor: Joydeep Biswas

WORK EXPERIENCE

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

FELLOWSHIP & AWARDS

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

TEACHING/MENTORING

Teaching Assistant	
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
Peer Mentor 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

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

OTHER ACTIVITIES

MUSE Dance Company | Dancer

2024-2025

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

SKILLS

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