



2026 Spring

ISCHOOL CAPSTONE

POSTER SHOWCASE

UX × DATA SCIENCE × AI & MLL × ACCESSIBILITY
PRODUCT MANAGEMENT × LIBRARY & ARCHIVES



Explore More

Friday, April 24, 2026

Noon – 3:00 PM

UT Austin Alumni Center · Connally Ballroom

Explore seven zones:

Artificial Intelligence & Machine Learning
24 projects

Data Science & Analytics
31 projects

UX Design
53 projects

UX Research
28 projects

Libraries, Archives & Information Systems
23 projects

Accessibility & Inclusive Design
8 projects

Product Management & Strategy
7 projects

Welcome

Join us as we celebrate the work of our graduating students from the Master of Science in Information Studies (MSIS) program and the undergraduate Informatics program.

Each student spent a semester partnering with real-world sponsors — from startups and nonprofits to Fortune 500 companies and government agencies — tackling complex problems at the intersection of people, information, and technology.

Event Schedule

12:00 PM

Check-In Opens

12:05 – 12:10

Welcome remarks by Chair Designate and Interim Dean Kenneth Fleischmann

12:10 – 2:00

Poster Presentations
Student presenters remain at assigned posters

2:00 – 3:00

Open Roaming, Networking & Informal Viewing
Posters remain on display; presenters may depart

3:00 PM

Event Conclusion

Refreshments available

How to Navigate

Posters are in seven color-coded zones. Match the colors in this program to the signage in the room.

Artificial Intelligence & Machine Learning

24 projects

24

Data Science & Analytics

31 projects

31

UX Design

53 projects

53

UX Research

28 projects

28

Libraries, Archives & Information Systems

23 projects

23

Accessibility & Inclusive Design

8 projects

8

Product Management & Strategy

7 projects

7

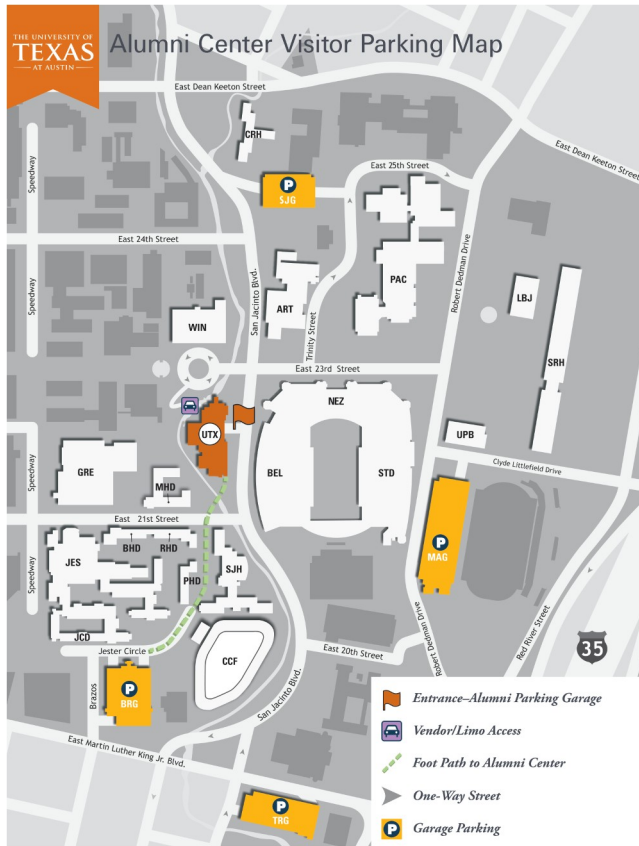
Listed by program within each zone:

MSIS

Informatics

Getting Here

UT Austin Alumni Center
2110 San Jacinto Blvd, Austin TX 78712



Parking Garages

- ★

Brazos Garage

Near Jester Circle /
E. MLK Jr. Blvd

Recommended — closest

- MAG

Manor Garage

Clyde Littlefield Dr. &
Robert Dedman Dr.

Alternate, short walk

- SJG

San Jacinto Garage

E. 25th St. &
San Jacinto Blvd.

Northern campus

- TRG

Trinity Garage

San Jacinto Blvd. south
of E. MLK Jr.

Southern campus

Check rates at parking.utexas.edu · Footpath from BRG → Alumni Center entrance.

Friday, April 24, 2026

Noon – 3:00 PM · UT Austin Alumni Center

Connally Ballroom

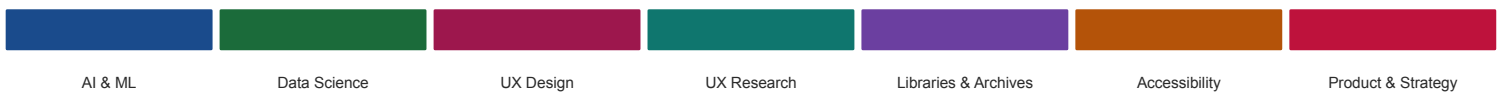
Find Your Zone

Each zone is color-coded to match the section headers throughout this program. Follow the colors to navigate the room.



ENTRANCE

ZONE LEGEND



 Demo Area — live interactive demonstrations (not on poster walls)

PROJECT

SPONSOR

STUDENT

Artificial Intelligence & Machine Learning

24 projects

MSIS · 11 projects

1	Hybrid Retrieval for Domain-Specific Search capstone project (OXY)	Michael Meskhi	Yawen Cao
3	Intelligent Image Retrieval Pipeline	Zander Mintz	Siddharth Dhaka
4	Hybrid Retrieval for Domain-Specific Search	Nikolaos Mitsakos	Ansh Disawal
5	Agentic AI Orchestration for Multilingual Document-to-Video Generation	Zander Mintz	Sanjai Kumar Gnanavel
6	LingoQuest: A Generative AI RPG for Immersive Language Acquisition	Eddie Liu	Jasmine Huang
7	Why AI Ethics Is Difficult to Implement in Practice: An Ethical and Hum...	Holly Henrichsen	Nawon Jung
8	Designing Human-Centered Experiences for Agentic RAG Workflows	Visal Medepalli	Abhishek Kushwaha
9	Hybrid retrieval system for domain-specific search within the energy in...	Nikolaos Mitsakos	Yonggeon Lee
10	Deep Lip Sync: Optimizing Wav2Lip for Voice-Driven Face Synthesis	Zander Mintz	Sai Nikhil Pillai
11	AI Automated Aielli Audio Workflow	Laura P Willis	Tianyi Zhang
12	Developing Agentic AI Workflows for Social Impact	Ali Mirzapour	Kaiwen Lin

Informatics · 13 projects

103	AI-Driven Audio Data Extraction and Analytics for Care Monitoring	Carl Du Plessis	Pranav Appikatla
104	AI-Driven Discovery Experiences for Uplaud's University Ecosystem	Uplaud	Tushar Chaudhary
105	Transfer Learning for Real-Time Documentation Orientation Classification	Trustworthy (Frank Abissi)	Sydney Frisch
106	UT Directory MCP Server	Cody Antunez	Avery Gilbert
107	AI Infrastructure Security	Chris Apple	Jackson Holmes
108	Learning Reduced Order Dynamics of Pine Island Glacier using Operator L...	Dr. Nicole Aretz	Fiona Romanoschi
109	Enabling AI-Driven Decision Support: Integrating Learning Systems for W...	Cynthia LaBrake	Mia Saavedra
110	AI News Aggregator Pipeline	Erich Fritz	Phyllis Stockton
111	Instance Segmentation Pipeline for Person and Merchandise Detection in ...	Katherine Rowe	Kayla Tran
166	Prompt Engineering for Bias Reduction in AI Responses	Dr. John Neumann	Ayomide Gbadamosi
170	LLM-enhanced Data Modeling	Dr. Unmil Karadkar	Tianxing He
171	The Conditions of Visibility: Threshold Collapse and the Production of ...	Dr. Shounak Roychowdhury	Sharon Lobo
172	Decoupling Structure and Knowledge: Ontology-Guided Retrieval over Neur...	Dr. Shounak Roychowdhury	Parth Agarwal

Data Science & Analytics

31 projects

MSIS · 10 projects

2	Automated Data Validation & Reliable Pipeline Processing System	Alan Hsu	Dara Chang
13	Closing the Feedback Loop: Automated Translation Quality Management at ...	Zander Mintz	Hitanshi Dhaktode
14	Military Flight Operations Quality Assurance (MFOQA) Framework for Heli...	LCDR Maggie Morgan	Zachary Gross
15	Hugging Cat : Intelligent Health Tracking for Pets (Cats) with CKD	Sav Shrestha	Prasad Katkade
16	Automating Mainframe Metadata Generation for Data Replication	Sameera Balay	Leslie Monclova
17	Automating Application Data Processing and Reporting at UT System	Susan Masson	Ruchika Sunil Motwani
18	MULTI-VRS: Building a Virtual Reality Fear-Conditioning Experiment for ...	Alyssa Roekner	Sai Prashanth Raja Sundaram
19	User Behavior Analytics for Security Training Effectiveness	Chris Apple	Steven Tran
20	Backend Development for a Web-Based Written Exploration Therapy (WET) A...	Dr. Ying Ding	Feng Xiong
21	Backend Infrastructure Development for Written Exploratory Therapy AI A...	Dr. Ying Ding	Jieteng Zhou

#	PROJECT	SPONSOR	STUDENT
Informatics · 21 projects			
112	Engineering a Unified Learner Record: A Medallion Data Pipeline for UTM...	Cynthia LaBrake	Marsh Vo
113	Texas Highways Magazine Analytics Dashboard	Julia Jones, TXDOT	Tanya Arya
114	User Activation Prediction Model: Identifying Early Signals of Engagem...	Metryc.ai	Bonifer Bergantin
115	Evaluation of CapMetro Bikeshare Station Performance and Future Station...	JD Simpson	Kyle Castillo
116	StatWiseAi	NIH	Brandon Cheung
117	Perry Homes Point-of-Sale Loss Analysis	Roxy Berumen	Charlotte Collins
118	Strategic Plan for Implementing a Comprehensive Learning and Employment...	Cynthia LaBrake	Molly Du
119	Data Process Mapping and Automation of Compliance Inspection Informatio...	Texas State Board of Pharm...	Hisham Galib
120	Regulation vs Asymmetric Mobilization: Strategic Divergence in US and P...	University of Texas at Aus...	Karim Gar
121	Designing a Human-Centered Data System for Operational Decision-Making ...	Jeffrey Lawrence	Joshua Hee
122	Using Barcodes to Make Quality Data More Reliable	Tekcends Photomask	Alice Huynh
123	Interactive Financial Dashboard for Ponce & Sons	Lorena Ponce	Alyssa Mena
124	Data Capturing System for Care Coordination Meetings	Magdalene House	Chinonye Mgboji
125	Data Analysis of University Unions Traffic	Austin Espinoza, Universit...	Sergio Rangel-Galvan
126	Designing a Data-Driven Taste Profile System Using User Data and Reviews	Uplaud AI	Divya Sharma
127	VIPC Investment Dashboard	VIPC	Jose Torres
128	Preparing Personnel Records for Box Platform Migration	Texas Department of Motor ...	Veeti Tuppurainen
130	Linux Security Deception	Andrew Turner	Kyungdon Baik
131	User Behavior Analytics for Security Training Effectiveness	Chris Apple - Global Cyber...	Riya Pottapinjara
169	Travel Behavioral Study	Jolie Martin	Armaan Pahuja
174	Human-Centered Data Systems for Culinary Operational Decision-Making	Jeffrey Lawrence	Joshua Hee

UX Design

53 projects

MSIS · 38 projects			
49	Social Media & Digital Marketing Capstone Project	Sylvia Morales	Julia Lee
50	Tier 1 Landing Pages Content Optimization for TxDOT.gov	Hoyt Haffelder	Victor Lopez
51	UI/UX and Front-End Development for a Written Exposure Therapy Mobile A...	Dr. Ying Ding	Xiuer Gu
52	Goaimly: Streamlining the Fundraiser Experience	Marques	Tanisha Acharya
53	Accelerating Designer Ramp?Up through an Interactive Onboarding Simulat...	Catalina Manea	Srushti Adake
54	Decode DC - AI Alert Resolution platform for Dell Data Centers	Amrita Maguire	Mustafa Ali Akbar
55	Confidence-Calibrated AI for Critical Infrastructure Operations	★ Ashwini Paradkar	Sneha Balaji
56	Redesigning Essent Online: Improving Usability and Cohesion Across a Mo...	Isobel McCreavy	Nikolette Carlomagno
57	Designing EVA: An Explainable Virtual Anamnesis Agent for Human-Centere...	Tatev Aslanyan	Manasi Chaturvedi
58	Designing the LENA Report: Improving Accessibility, Navigation, and Dat...	Dr. Yan Zhang	Christine Chien
59	Enhanced Medication Management for Patients with Chronic Diseases	Heather Abbott	Ishita Chitturi
60	Topology Exploration for Visualizing Infrastructure Environments	Beth Sarno	Nupur Dhuri
61	Cool Labs Voice Agent: UX Design and Workflow Improvement	Dawei Liang	Tongxin Gao
62	ISG Icon Design Audit	Kristen Graham	Yesenia Garcia
63	AI Gateway Accessibility and SEO optimization	Ben Vogt	Ishwari Garge
64	Dashboard for Mixed?Methods Research Data, Lifecycle Visualization & Ra...	Brenda Berkelaar	Dhruvi Gopani

2026 SPRING ISCHOOL CAPSTONE — POSTER LISTINGS BY ZONE

#	PROJECT	SPONSOR	STUDENT
65	Designing the Job Seeker Onboarding Journey and Jobs Module for MyOneFL...	Vikas Rajput	Sanika Goyal
66	Conversational Design for Ethical AI: A Chatbot for Governance, Privacy...	Amrita Maguire	Amrin Haque
67	The Unified Agreement Search: Designing the Future SERP Experience	Isaac Steiner	Jonathan He
68	User-Centered Design of a Daily Log System to Support CKD Care for Cats	Sav Shrestha	Hsin-Ling Hsieh
69	UX design for AI-driven project in Third AI Automation	Vivek	Wen-Ching Hsu
70	Planning for Success: An Interactive Retirement Planning Tool for TRS m...	David Munns	Anna Ickes
71	Designing Against Deskillng: Co-Designing Human-AI Training and Workfl...	Dr. Min Kyung Lee	Aleena Jacks
72	Designing the Digital Swatch Ordering Feature for Four Hands	Danielle Loleng	Nina Kaplan
73	Redesigning the ELC Canvas Onboarding System	Kelly Perin	Pin-Yin Kuo
74	Integrating Multi-Energy Haptics into Soft Interfaces: A Prototyping an...	Matthew Leaper	Jiyi Liu
75	Designing AI Interfaces for Enterprise Systems	★ Eric Graham, Fleming Seay	Alex Locke
76	AMR Fleet Management Interface Design	Casey Coleman	Ishaan Marjit
77	Website Redesign for Motion to Meditation	Purvi	Saloni Mehta
78	Designing an AI-Powered Human-Centered Design Knowledge Portal for Ente...	Mary Grace D Francisco	Lindsey Nguyen
79	Designing a Native Appointment Tagging & Color-Coding System for Simple...	Marvin Tabangay	Diya Patel
80	Designing a Faculty Evaluation Tool for Educational Tutorbots	Kasey Ford	Orion Qin
81	License Checklist Feature Redesign: Defining Purpose, Strategy, and Exp...	Matt Hernandez	Shreya Mansingh Shinde
82	Designing Age-Aware Healthcare Interfaces: An Inclusive UX Framework fo...	Ajay Tripuraneni	Emma Visser
83	Wellness Webpage Research and Design	Heidi Hardin	Ziqing(Flora) Wan
84	Designing and Evaluating Inclusive AI Chatbot Interventions for Older A...	Dr. Yan Zhang	Jo-Ying (Zoe) Wang
85	Competitive Analysis and Redesign Exploration of Label Design for Dell ...	Kristen Graham	Xiaohan Yan
86	Designing a Customer Support Mobile Application: UX Research & Prototyp...	Oslene Carrington	Athy Zhou

Informatics · 15 projects

138	Designing for Global Impact at Our Aim	Our Aim Foundation	Jenna Hassan
139	UI/UX Feature Design, Implementation, and Content Strategy for Uplaud	Deepthi Rao	Laksh Subodh
140	Evaluating Snarfs Sandwiches Catering Market	Timothy Ramos	Madeline Cicero
141	Design for Reflection	The Summer Studio	Briona Dommert
142	From Chaos to Clarity	Erin Messersmith & Melissa...	Kaunli Hehr
143	Southwest Airlines: Designing the iOS 26 Day-of-Travel Experience	Mandi Dundas	Ava Jiang
144	Improving Usability and User Experience in an AI-Powered Fitness App	Dimi Nunez	Rachana Kommineni
145	IX Labs: Website Redesign	Dr. Jacek Gwizdka	Sandra Le
146	Austin Housing Authority Web Rebranding	Housing Authority of the C...	Khue Nguyen
147	Uplaud: UX Design	Uplaud - Deepthi Rao	Jackie Ochoa
148	Introduction to Hydrogen: Asynchronous Online Course Design	Texas Engineering Executiv...	Aparna Shah
149	The Inner Worlds Lab	Texas Immersive Institute	Siena Theivagt
150	SharePoint Design & Organization Project	UT Office of Sponsored Pro...	Bethelehem Tsegaye
167	Designing User-Centered Health Insights Through Audio Monitoring	Carl Du Plessis	Anjali Cherukuri
168	Inavae Entertainment's Debut Design	Evania Joseph	Abdhi Karuhatty

PROJECT

SPONSOR

STUDENT

UX Research

28 projects

MSIS · 15 projects

52	Building a UX Benchmarking Program for athenahealth's Patient Portal	Michelle Peterson	Angeline Aloysius
89	UX Research and Design Strategy for Alpaca's Little Wins Resource Libra...	Karen	Suzie Garcia
90	Enhancing search experience on the Splunk SUI design system doc site	Dan Rotondo	Srilalitha Ravuri
91	User Research Driven UX and UI Design for ThirdAI Automation's Enterpri...	Visal Medepalli	Stephanie Aranda
92	AI-Driven Product Validation Through UX Research in Feline Chronic Care...	Sav Shrestha	Valeria Atiyasanta
93	Enhancing Robotics-Assisted Workflows in Data Center Operations	★ E Graham	Ming-Han Cheng
94	Understanding Infrastructure Roles: A Persona Study for the Dell Automa...	Kristen Walsh	Miranda Hixson
95	Developing an Integrated Management Experience for Dell's IT Operations...	Caleb George	Helen Kang
96	Fini-AI Journaling	Ashley	Sanjay Reddy Komatireddy
97	Establishing a Longitudinal Strategic Insight Framework: Bridging Histo...	Brenda Berkelaar	Nihal Palocaren
98	Lost in the Settings: Designing a Mouse Experience People Will Actually...	Aylin Saribudak	Jisoo Park
99	Improving the Engagement and Delight Layer of the Hugging Cat Mobile App	Sav Shrestha	Caroline Pastrano
100	Improving Discoverability and Feedback in Splunk UI Design System Docs	Dan Rotondo	Twisha Patel
101	Reimagining Product Exploration to Support High-Value Scientific Purcha...	Nicholas Fargher	Pusti Sheth
102	Develop Design Framework for Agent Decision Support in Enterprise Conve...	Brian Abrams	Annie Yang

Informatics · 13 projects

154	UT Austin Accessibility Research Panel	Maggie Garratt	Aamina Choudhry
155	Gen Z & AI-Assisted Travel Planning: A Usability Study of the Expedia M...	Jolie Martin	Aneesh Harwalkar
156	iSchool Capstone Database	Dr. John Neumann	Sela Kime
157	College Student Gap Analysis for DIRECTV	Abbie Sheffield	Allyson Lee
158	Designing Boundary Objects for Translating Policy to Code	Min Kyung Lee	Shuniu Li
159	Accessibility Research Session on Deaf UX Research with Zilker Trail Co...	Maggie Garratt	Riya Louis
160	Evaluating AI-Powered Trip Planning Tools as a Mid-Funnel Growth Lever ...	Abhishek Ramanathan	Chloe Low
161	AI-driven Engagement in Expedia's Travel Experience	Expedia	Lucy Schilling
162	Hugging Cat - Decode CKD Labs, Get Trusted Guidance, & Stress Less.	Sav Shrestha	Melani Thapa
163	Fyve Health Internship	Fyve Health	Rushil Vankamamidi
164	Decoding Gen Z Travel Discovery: Defining an AI-Powered Search and Disc...	Expedia	Jessica Zhu
165	Open Source Software Panel Study	Hana Frluckaj	Jamie Ordenez
173	AI Cost Function Framework	Skylar Hernandez	Kanika Agrawal (MSIS)

Libraries, Archives & Information Systems

23 projects

MSIS · 23 projects

22	Digital Development of Senan Shaibani Cultural Center	Dale Correa	Salma Abdulrahman
23	A Tribute to La Música Chicana Oral History Project: Sharing An Austin ...	Ryan Blake	Karina Becerra
24	"Backwards and in Heels": Preserving the Ann Richards Collection	Arryn Glazier	Abigal Beckley
25	Discovery and Access of Robert De Niro Costume Records	Jenny Romero	Rebecca Dearlove
26	Assessment and Stabilization of the Mud-Damaged Bonnie Prudden Collecti...	Kimberly Beckwith	Zinnia Estrada
27	Visual Arts Center at 20: Planning an Exhibition and Archive	Max Fields	Karen Huynh

#	PROJECT	SPONSOR	STUDENT
28	Creating a A/V Preservation Plan for the DBCAH	Dan Molloy	Ashton Jones
29	Apropos Processing	Shannon Costello	Johnathan Leary
30	Creation of a Processing Guide for Flower Hill Paper Ephemera	Michele Stewart	Olivia Lefler
31	An Exhibit on The History of Anti-Fascist Art	Tina Tran	Juliana Martinez
32	The Limits of Acoustic Fingerprinting and the Value of Researcher Metad...	Jeremy Thompson	Lucas McGill
33	Enhancing User Access to the Texas Music Museum Photo Archive	Natasha Zoghlin	Sojeong Ryoo
34	Caring for Texas History through Sheet Music Preservation	Sylvia Morales	Hannah Smith
35	Creating Processes to Implement Open Archives Initiative Protocol for M...	Kristi Park	Alejandro Sobalvarro
36	Don Stoke's Industrial Film Collection: Re-evaluating an Audio-Visual	Elizabeth Hansen	Lena Teckenbrock
37	Revamping field trip materials for the Austin Public Library	Suzan Nyfeler	Sarah Asch
38	Assessing and Improving the Usability of the UT Library's Sensitive Dat...	Meryl Brodsky	Madison Bolding
39	APL Centennial History Harvest: Photograph Digitization for the Austin ...	Marina Islas	Kylie Burnham
40	Strengthening Community Connection Through Programming at the APL Twin ...	Michelle Beebower	Mia Huo
41	Expanding the Elgin Public Library Collectio	GINNA HILL	Faith Poirier
42	Data-Informed Weeding & Collection Assessment of a YA Graphic Novel Col...	Amy German	Libby Sears
43	Supporting Foundations for LGBTQ+ Community Archives at Austin History ...	Marina Islas	Sadie Spalding
44	Developing an Academic Library Orientation Toolkit for First-Year Under...	Erin Anderson	Sophia Villarreyna

Accessibility & Inclusive Design

8 projects

MSIS · 4 projects

45	Improving DIR Web and PDF Accessibility for ADA Title II Compliance	Gavin Lampkin	Ishita Jindal
46	Improving Digital Accessibility of Texas State Websites and Documents T...	Gavin Lampkin	Shadrack Kyei
47	Accessibility Remediation Support for the State of Maryland; Title II /...	Melissa Griswold	Dèjà Pérez
48	Enhancing Online Course Accessibility at Scale: UDOIT Evaluation and Re...	Raul	Sunny Zhang

Informatics · 4 projects

133	Designing an Educational Resource for Spanish-Speaking Patients to Prom...	Dr. John Wickman, Shoulder...	Madeleine Gomez
134	Is Document Remediation Obsolete?	Michael McQuaid	Misha Ohri
135	Accessibility Panel Building	Zilker Trail Consulting	Deborah Oyawe
136	Optimizing Microsoft Forms and Instructions for the UTMB Microcredentia...	Cynthia LaBrake	Sushruti Vasireddy

Product Management & Strategy

7 projects

MSIS · 2 projects

87	The Future of Program Management: From Coordination to AI-Driven Orches...	Kade Jensen	Shreya Khare
88	Nonprofit Analysis and Communication Coordination with NextUp	Mary Pryor	Abigail Mazzocco

Informatics · 5 projects

129	FairTix: Market Analysis for a Trustworthy Ticketing Platform	Jay Manwani	Serena Manwani
132	Growth & Outreach for Uplaud AI	Uplaud AI	Kieran Givens
151	Product Strategy for Agentic AI: Gamification, B2B Research, and Featur...	Deepthi Rao	Tanush Kaushik
152	Customer-Led Product Prioritization for Retention and AI at Avidian	YP Chan	Saiansh Saxena
153	Bridging Systems and Stakeholders	Cynthia LaBrake	Ruhama Kabir

Thank You

Thank you to our students, industry sponsors, faculty advisors, and staff for making the 2026 Spring Capstone Poster Showcase possible.

Congratulations to all of our graduating students.

TODAY'S ZONES

Artificial Intelligence & Machine Learning

24 projects

Data Science & Analytics

31 projects

UX Design

53 projects

UX Research

28 projects

Libraries, Archives & Information Systems

23 projects

Accessibility & Inclusive Design

8 projects

Product Management & Strategy

7 projects

ischool.utexas.edu | [#iSchoolCapstone2026](https://twitter.com/iSchoolCapstone2026) | [@UTISchool](https://twitter.com/UTISchool)