

Lindsay R. House

POSTDOCTORAL PRECEPTOR AT
NSF-SIMONS SKAI INSTITUTE AND
THE UNIVERSITY OF CHICAGO DATA SCIENCE INSTITUTE

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Education

University of Texas Austin

2020-2025

PHD ASTRONOMY

GPA 3.9/4.0

- Dual Concentration in Teaching & Mentoring and Science Public Policy
- NSF Graduate Research Fellow
- Advisor: Dr. Karl Gebhardt & Dr. Keely Finkelstein

University of North Carolina (UNC) Greensboro

2018-2019

BS PHYSICS

GPA 3.9/4.0

- Advisor: Dr. Ian Beatty & Dr. Alicia Aarnio

University of North Carolina Asheville

2012-2016

BS APPLIED MATHEMATICS IN BIOCHEMISTRY

3.8/4.0

- Highest Distinction in Mathematics

Highlights

NSF SCIENCE COMMUNICATION INTERN AT [ADLER PLANETARIUM/ZOONIVERSE](#)

Summer 2024

Advised by Dr. Laura Trouille

CREATOR AND PROJECT-LEAD FOR [DARK ENERGY EXPLORERS](#)

Present

Zooniverse project with over 18,000 volunteers from 150 countries

CO-PI FOR [NASA CITIZEN SCIENCE SEED FUNDING GRANT](#)

\$ 160,009

NASA OSTEM

ARTICLE PUBLISHED IN [SCIENCE MAGAZINE](#)

Aug 2024

‘A Cosmic Perspective’ by [Lindsay R. House](#)

GUEST APPEARANCE FOR [WHITE HOUSE OSTP - INNOVATION AWARD](#)

May 2024

‘NASA Partner Zooniverse Receives White House Open Science Award’

ASTRONOMY INTERN AT [SMITHSONIAN NAT. AIR AND SPACE MUSEUM](#)

Summer 2022

Advised by Carl Clark, Shauna Edson, Rose Soldano

APS EXECUTIVE COMMITTEE FOR [PUBLIC ENGAGEMENT](#)

2024-’27

Elected Member for 3-year term

TOTAL TALKS: [57](#)

INVITED SCIENCE TALKS: [10](#)

INVITED OUTREACH & PROFESSIONAL DEVELOPMENT TALKS: [17](#)

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Professional Appointments

- 2025-'29 **Postdoctoral Preceptor**, University of Chicago and NSF-Simons SkAI Institute,
Lecturer, University of Chicago, Data Science Institute,
Adjunct Instructor, City Colleges of Chicago, Truman Community College,
Adjunct Instructor, Chicago State University, Computer Science and Mathematics Dept.,
2022 - '25 **NSF Graduate Research Fellow**, UT Austin Astronomy Department,
2024 **NSF Summer INTERN**, Adler Planetarium & Zooniverse,
2023 **Workshop Facilitator**, McDonald Observatory,
2022 **Astronomy Education Internship**, Smithsonian Air & Space Museum, Washington DC,
2020 **Research Assistant**, CU Boulder & Fiske Planetarium,
2019 - '21 **Adjunct Instructor**, Wake Tech Community College, Raleigh, NC,
2019 **NSF REU Physics Fellow**, CU Boulder / JILA,
2018 - '19 **Undergraduate Researcher**, UNC Greensboro,

2017 - '19 **Planetarium Presenter**, Morehead Planetarium, Chapel Hill, NC,
2017 - '18 **High School Math Teacher**, Leesville Rd. High School, Raleigh, NC,
2018 **High School Summer Camp Asst. Director**, UNC Chapel Hill,
2014 - '16 **Undergraduate Researcher**, UNC Asheville,

Awards, Fellowships, & Grants

- | | | |
|------|--|------------|
| 2026 | Digital Science Communication Fellow , Museum of Science Boston, MA | \$ 20,000 |
| 2024 | NSF INTERN in Science Communication , Adler Planetarium / Zooniverse | \$ 25,578 |
| | Dean's Prestigious Fellowship , University of Texas Austin | |
| 2024 | (PI) McDonald Observatory EPO Grant (Led outreach video development ,) | |
| 2023 | (CO-I) NASA Citizen Science Seed Funding Grant , NASA OSTEM | \$ 160,009 |
| | Dean's Prestigious Fellowship , University of Texas Austin | |
| 2022 | NSF Graduate Research Fellow , National Science Foundation | \$ 147,000 |
| | Dean's Prestigious Fellowship , University of Texas Austin | |
| | Honored Scholar , Informal Science Education Association of Texas | |
| 2020 | Community Impact Award (for online astronomy curricula) , CU Boulder | \$ 17,000 |
| 2019 | Research and Creativity Award , UNC Greensboro | |
| 2019 | Sigma Pi Sigma National Physics Honor Society , UNC Greensboro | |
| 2017 | Early-Career Ambassador , American Astronomical Society | |
| 2016 | Highest Distinction in Mathematics , University of North Carolina Asheville | |

Publications

*** denotes paper led by students under my supervision*

→[NASA ADS Link - Click Here](#)←

SELECTED SCIENCE WRITING

1. **House, L.R. Astronomy Magazine.** *What we do — and don't — know about dark energy.* Published: Sept 5, 2024. [Read Here.](#)
2. **House, L.R. Astronomy Magazine.** *Dark Energy Explorers: The participatory science project helping classify millions of galaxies for HETDEX.* Commissioned: Sept. 20, 2024. [Read Here.](#)
3. **House, L.R. Astronomy Magazine.** *Machine Learning and Artificial Intelligence.* Commissioned: Oct 3, 2024. [Read Here.](#)
4. **House, L.R. AAS Education Blog.** *Dark Energy Explorers: Using Citizen Science to Enhance the Hobby-Eberly Telescope Dark Energy Experiment.* June 24, 2022. [Read Here.](#)

FIRST AUTHOR PUBLICATIONS

1. **House, L.R.,** Gebhardt, K., Finkelstein, K., Cooper E.M., Davis, D., Farrow, D., Schneider, D. Sept. 2024. *ApJ, Participatory Science and Machine Learning Applied to Millions of Sources in the Hobby-Eberly Telescope Dark Energy Experiment.* [arXiv:2409.08359](#)
2. **House, L.R.,** Aug 2024. *A Cosmic Perspective.* Science Magazine. DOI: [10.1126/science.ads2163](#)
3. **House, L.R.,** Gebhardt, K., Finkelstein, K., Cooper E.M., Davis, D., Ciardullo, R., Farrow, D., Finkelstein, S., Gronwall, C., Jeong, D. 2023. *ApJ, 82: 950. Using Dark Energy Explorers and Machine Learning to Enhance the Hobby-Eberly Telescope Dark Energy Experiment.* DOI [10.3847/1538-4357/accd0](#)
4. **House, L.R.,** Cooper, O.R., Finkelstein, K., Finkelstein, S. 2024, *PhysRev Physics Education Research Journal.* Submitted Oct. 2024. *Impact of Climate Change Intervention within Introductory Astronomy Courses.*

CO-AUTHORED PUBLICATIONS

1. Weiss L. H., Davis D., Gebhardt K., Gazagnes S., Mirza Khanlari M., Mentuch Cooper E., Chisholm J., Berg, D., Bowman, W.P., Byrohl, C., Ciardullo, R., Maximilian, F., Farrow, D., Gronwall, C., Hill, G., **House, L.R.,** Jeong, D. Khoraminezhad, H., Kollatschny, W., Komatsu, E., Niemeyer, M., Saito, S., Schneider, D.P., Zeimann, G.R., 2024, *ApJ, 962, 102. Absorption Troughs of Lyman Alpha Emitters in HETDEX.* doi:[10.3847/1538-4357/ad1b51](#)
2. Farrow, D. Chavez-Ortiz, O.A., Leung, G.C.K., Finkelstein, Steven L., Davis, D., **House, L.R.,** Jeong, D. Khoraminezhad, H., Kollatschny, W., Komatsu, E., Niemeyer, M., Saito, S., Schneider, D.P., Zeimann, G.R., 2024, *ApJ. The Ly α Dependence on Nebular Properties from the HETDEX and MOSDEF Surveys.*
3. Liu, C., Chen, X., Er, X., Zeimann, G., Vinkó, J., Wheeler, C., Cooper, E.M., Davis, D., Farrow, D., Gebhardt, K., Guo, K., Hill, G., **House, L.R.,** Kollatschny, W., Kong, F., Kumar, B., Liu, X., Tuttle, S., Endl, M., Duke, P., Cochran, W., Zhang, J., and Liu, X., 2023, *ApJL, 958, L37. The Preexplosion Environments and the Progenitor of SN 2023ixf from the Hobby-Eberly Telescope Dark Energy Experiment.* DOI [10.3847/2041-8213/ad0da8](#)
4. Davis, D., Gebhardt, K., et al., including **House, L.R.** 2023. *ApJ. 954, 209. HETDEX Public Source Catalog 1—Stacking 50,000 Lyman Alpha Emitters.* DOI [10.3847/1538-4357/ace4c2](#)

5. Cooper, E., Gebhardt, K., Davis, D., et al., including **House, L.R.** 2023, ApJ. 943, 177. *HETDEX Public Source Catalog 1: 220 K Sources Including Over 50 K Ly α Emitters from an Untargeted Wide-area Spectroscopic Survey*. DOI 10.3847/1538-4357/aca962
6. Davis, D., Gebhardt, K., et al., including **House, L.R.** 2023, ApJ. *The HETDEX Survey Emission-line Exploration and Source Classification*. DOI 10.3847/1538-4357/acb0ca
7. Liu, C., Gebhardt, K., et al., including **House, L.R.** 2022, ApJ 940, 40. *The Active Galactic Nuclei in the Hobby–Eberly Telescope Dark Energy Experiment Survey (HETDEX). III. A Red Quasar with Extremely High Equivalent Widths Showing Powerful Outflows*. DOI 10.3847/1538-4357/ac9af2
8. Liu, C., Gebhardt, K., et al., including **House, L.R.** 2022, ApJ 935, 132. *The Active Galactic Nuclei in the Hobby–Eberly Telescope Dark Energy Experiment Survey (HETDEX). II. Luminosity Function*. DOI 10.3847/1538-4357/ac8054
9. Liu, C., Gebhardt, K., et al., including **House, L.R.** 2022, ApJ 261, 24. *The Active Galactic Nuclei in the Hobby–Eberly Telescope Dark Energy Experiment Survey (HETDEX). I. Sample Selection*. DOI 10.3847/1538-4365/ac6ba6
10. Gebhardt, K., and HETDEX Collaboration, including **House, L.R.** 2021, ApJ 923, 217. *The Hobby–Eberly Telescope Dark Energy Experiment (HETDEX) Survey Design, Reductions, and Detections*. DOI 10.3847/1538-4357/ac2e03

WHITE PAPERS

1. Lau, A., et al., including **House, L.R.**, Jun 2024. *A Call to Action: Informal Education Is Essential to Physics*. APS JNIPER Summit, White Paper.

CONFERENCE PROCEEDINGS

1. Mohamed, S., et al., including **House, L.R.**, Aug 2024. *FM7: New horizons at the interface between computational astrophysics and big data*. IAU Conference Proceedings.
2. **** Saucedo, J., House, L.R.**, Aug 2024. *Astronomy Across the Spectrum: Education & Outreach Everywhere, All at Once*. Astronomy Society of the Pacific. Conference Proceedings.

Presentations

**** denotes presentation led by students I supervise**

INVITED SCIENCE TALKS

Jul 2024	Adler Planetarium, Research Seminar , Invited Talk	Chicago, IL
May 2024	CIERA - Northwestern University. Observational Seminar , Invited Talk	Evanston, IL
May 2024	HETDEX Science Meeting , Invited Talk	PennState
Apr 2024	SW Institute For Astronomy Research at Yunnan University , Invited Talk	Cp.Town, SA
Apr 2024	McDonald Dark Skies Week , Invited Talk	Ft Davis, TX
May 2024	NASA AI Panel, CitSci Conference , Invited Panelist	Tempe, AZ
Feb 2024	UH Hilo & Keck Observatory , Invited Facilitator	Waimea, HI
Feb 2023	UT Austin Graduate Recruitment , Invited Panelist	Austin, TX
Nov 2022	PER Seminar, CU Boulder , Invited Talk	Boulder, CO
Oct 2021	UT Austin Board of Visitors Meeting , Invited Talk	Ft Davis, TX

INVITED PUBLIC OUTREACH TALKS

Jul 2024	Zooniverse, NSF INTERN Science Communication , Invited Talk	Chicago, IL
Jul 2024	University of Utah, Astronomy Club , Invited Talk	Virtual
Jul 2024	Yerkes Observatory, Summer Scientist Series , Invited Talk	Will. Bay, WI
Apr 2024	UT Austin Board of Visitors - Eclipse Talk , Invited Talk	Austin, TX
Jun 2023	McDonald Obs. Teacher Workshop: Galaxies&Cosmology , Invited Talk	Ft Davis, TX
Jun 2023	McDonald Obs. Teachers Workshop: Lights, Color, & Optics , Invited Talk	Ft Davis, TX
Apr 2023	McDonald Observatory Star Party , Invited Panelist	Ft Davis, TX
Jul 2021	Smithsonian Air and Space Museum , Invited Talk	Wash, DC
Jun 2021	McDonald Obs. Teachers Workshop: Galaxies&Cosmology , Invited Talk	Virtual
Feb 2021	UT Austin EXES Teacher Associate Group , Invited Talk	Virtual

INVITED PROFESSIONAL DEVELOPMENT PRESENTATIONS

Jan 2024	APS Congressional Visit Day , Invited Talk	Wash, DC
Jan 2024	APS Leadership Meeting , Invited Facilitator	Wash, DC
Sep 2023	Undergrad Prospective Students Day , Invited Panelist	Austin, TX
Sep 2023	NSF GRFP Workshop , Invited Panelist	Austin, TX
Sep 2023	NSF GRFP Workshop , Invited Talk	Austin, TX
Dec 2022	American Physical Society JNIPER Program , Invited Talk	Virtual
Sep 2022	NSF GRFP Workshop , Invited Talk	Austin, TX

CONTRIBUTED SCIENCE TALKS AND POSTERS

Oct 2024	Rubin LSST DESC Sprint Week, Kavli Institute , Conference Attendee	Virtual
Oct 2024	Scientific Machine Learning - Oden Institute , Contributed Talk	Austin, TX
Aug 2024	IAU , Contributed Talk - Using Zooniverse for AI and ML	Cp.Town, SA
Aug 2024	IAU , Contributed Poster - Zooniverse Education	Cp.Town, SA
Aug 2024	IAU , Contributed Poster - Zooniverse DEI	Cp.Town, SA
Aug 2024	IAU , Contributed Poster - Dark Energy Explorers	Cp.Town, SA
Jun 2024	KICP - 20th Anniversary Meeting , Conference Attendee	Chicago, IL
Jun 2024	APS JUNIPER Summit , Conference Attendee	Boulder, CO
Jul 2024	Diversifying Voices in STEM , Contributed Talk	Chicago, IL
Feb 2024	UT Austin Astronomy Dept, Extragalactic Seminar , Contributed Talk	Austin, TX
Nov 2023	Conference for Association of Science Teachers , Contributed Talk	Houston, TX
Oct 2023	American Museum of Natural History, lunch seminar , Contributed Talk	NYC, NY
Oct 2023	(Dot) .Astronomy, CCA Flatiron , Conference Attendee	NYC, NY
Oct 2023	BashFest , Conference Attendee	Austin, TX
May 2023	CitSci (for AI and ML) Conference , Contributed Talk	Tempe, AZ
Feb 2023	UT Austin Astronomy Dept, Extragalactic Seminar , Contributed Talk	Austin, TX
Jan 2023	American Astronomical Society 234 , Contributed Talk	Seattle, WA
July 2022	American Assoc. of Physics Teachers Conference , Contributed Poster	Grapids, MI
July 2022	Physics Education Research Conference , Contributed Poster	Grapids, MI
Apr 2022	UT Austin Astronomy Dept, Cosmology Seminar , Contributed Talk	Austin, TX
Feb 2022	Informal Science Education Association Conference , Contributed Talk	Houston, TX
Feb 2022	AAAS Communicating Science , Conference Attendee	Virtual

May 2021	CitSci Conference , Conference Attendee	Virtual
May 2021	International Astronomical Union 367 , Conference Attendee	Virtual
Apr 2022	UT Austin Astronomy Dept, ExGal Seminar , Contributed Talk	Austin, TX
Jan 2021	Informal Science Education Association Conference , Contributed Poster	Virtual
July 2021	Physics Education Research Conference , Contributed Poster	Virtual
July 2019	Physics Education Research Conference , Contributed Poster	Provo, UT
Jan 2019	American Astronomical Society 233 , Contributed Poster	Seattle, WA
Jan 2019	Conference for Undergraduate Women in Physics , Contributed Poster	Willsbg, VA
Jan 2018	American Astronomical Society 231 , Conference Attendee	Wash, DC

Teaching Experience

Guest Lecturer, AST 301	Austin, TX
UT AUSTIN: A 200-STUDENT INTRODUCTORY ASTRONOMY COURSE	Fall 2022
Co-Founder, Science Sprints	Austin, TX
UT AUSTIN: DEVELOPED A HACK-A-THON STYLE EVENT FOR 400+ UNDERGRADUATES TO GAIN RESEARCH EXPERIENCE AS A PART OF DARK ENERGY EXPLORERS	Fall 2020 - Present
Adjunct Instructor, MAT 171	Raleigh, NC
WAKE TECH COMMUNITY COLLEGE: A 30-STUDENT PRE-CALCULUS ALGEBRA COURSE	Spr 2021, Fall 2020, Spr 2020
Adjunct Instructor, MAT 071	Raleigh, NC
WAKE TECH COMMUNITY COLLEGE: : A 15-STUDENT SUPPLEMENTAL COURSE TO HELP BUILD ACADEMIC HABITS & FOSTER A GROWTH-MINDSET IN MATH	Spr 2021, Fall 2020, Spr 2020
Teaching Assistant, AST 235	Greensboro, NC
UNC GREENSBORO: A 150-STUDENT INTRODUCTORY ASTRONOMY COURSE	Spr. 2019, Fall 2019
Teaching Assistant, BIO 328	Asheville, NC
UNC ASHEVILLE: A 40-STUDENT HUMAN ANATOMY LAB	Fall 2014

Mentoring

Research Mentor	Jose Saucedo , HS Teacher at Austin ISD, Dark Energy Explorers EPO Isaiah Pipkin , Team-Up Award, TAURUS Scholar, Dark Energy Explorers EPO Mike Troung , Machine learning implimentation , Mentored undergraduates for the Dark Energy Explorers project. Held and led weekly group meetings and research projects for undergraduates who have presented posters as multiple conferences including AAS.
Informal Mentor	Hera Weigand , Current UT Austin grad student Abriana Joy Himantog , Current UW Madison grad student Delaney White , AmeriCops Education Award and current HS teacher , Mentored undergraduates through their time at UT Austin and as part of the NSF REU program. Advised them on courses and research, while providing them resources for being successful in astronomy and working towards and applying for grad school.

Telescope Observing Experience

Feb 2024	Keck Observatory , MOSFIRE	Waimea, HI
May 2023	Harlan J. Smith Telescope, 2.7m , McDonald Observatory	Ft Davis, TX
May 2023	Otto Struve Telescope, 2.1m , McDonald Observatory	Ft Davis, TX
May 2023	0.8m Telescope , McDonald Observatory	Ft Davis, TX

Press & Media Appearances

teal color denotes clickable link to media

GUEST APPEARANCE FOR WHITE HOUSE OSTP - INNOVATION AWARD	May 2024
'NASA Partner Zooniverse Receives White House Open Science Award'	
FEATURED ON THE ADLER PLANETARIUM SOCIAL MEDIA: X, TIKTOK, YOUTUBE	Aug 2024
'Ask An Astronomer: Lindsay House'	
FEATURED ON NASA SOCIAL MEDIA - DARK ENERGY EXPLAINED	Apr 2024
@DoNASAScience	
FEATURED IN APS NEWS	May 2024
'Careers and Education Column'	
GUEST ON QUANTUM FEEDBACK LOOP PODCAST, SPOTIFY, APPLE PODCASTS	Aug 2023
'Lindsay House and Looking back over 9 billion years'	
FEATURED ON THE ADLER PLANETARIUM SOCIAL MEDIA: X, TIKTOK, YOUTUBE	Jan 2024
'Explaining Dark Matter VS Dark Energy'	
FEATURED IN GIANT MAGELLAN TELESCOPE CAMPAIGN	Mar 2021
'GMT World Changing Gifts'	

Press & Media - Dark Energy Explorers

teal color denotes clickable link to press release

FEATURED AS 1 OF 19 NASA CITIZEN SCIENCE PROJECTS	
FEATURED IN STARDATE MAGAZINE	Nov 2023 Issue
'Signing up for Science'	
FEATURE IN THE QUANTUM RECORD	July 2023
'Dark Energy Explorers: A Citizen Science Project Looks Over 9 Billion Years'	
FEATURED AS ONE OF TEXAS STANDARDS 'TEN FAVORITE STORIES OF THE YEAR'	2022
FEATURED ON SCRIPPS NEWS NATIONWIDE (60+ STATIONS)	2022
'Researchers asking for public's help to create 'map of the universe'	
FEATURED ON NATIONAL PUBLIC RADIO (NPR)	Jan 2023
'Swipe Right to identify a New Galaxy'	
FEATURED ON CBS NEWS	Dec 2022
'Swipe Right to identify a New Galaxy'	

FEATURED ON NBC NEWS 'World Changing Gifts'	Dec 2022
SPEAKER FOR UT AUSTIN CNS FUNDRAISING CAMPAIGN FOR THE GIANT MAEGELLAN TELESCOPE 'Swipe Right to identify a New Galaxy'	Dec 2022
PRESS RELEASE ISSUED BY UT AUSTIN COLLEGE OF NATURAL SCIENCE 'Amateur Scientists Have Helped Astronomers Identify Nearly a Quarter Million Galaxies'	Nov 2022
FEATURED ON PHYS.ORG 'Amateur scientists have helped astronomers identify nearly a quarter-million galaxies so far'	Nov 2022
PRESS RELEASE ISSUED BY MCDONALD OBSERVATORY 'You Can Help Decode the Universe!'	April 2021
FEATURED IN STARDATE MAGAZINE Dark Energy Explorers: Helping HETDEX Classify Galaxies	Nov 2021 Issue

Collaborations

Vera Rubin Observatory , Dark Energy Science Collaboration	LSST
Vera Rubin Observatory , Inform. and Statistics Science Collaboration	LSST
McDonald Observatory , Cosmology, Galaxies, & LSS Collaboration	HETDEX

Professional Leadership & Service

LEADERSHIP ROLES

NSF Internship in Science Communication

ADLER PLANETARIUM & ZOONIVERSE

Summer 2024

Awarded supplemental NSF funding to grow a non-academic skill set. Spent 4 months acting as a astronomy consultant, for example working with authors of children's books who want to incorporate real science into their books. I also wrote, filmed, edited educational videos for Zooniverse and Adler that will be used by teachers and for their social media.

APS Executive Committee on Informing the Public

ELECTED MEMBER - 3 YEAR TERM

2024-'27

Nominated by APS leadership to serve a three-year term on the CIP executive committee, where I attended the APS leadership meeting and lead workshops for other APS leaders on how to inform the public. Subcommittees: White paper, Science Com Training.

U.S. Congressional Visit Day

SELECTED PRESENTER

Jan 2024

Selected to represent APS to advocate for science policy to representatives in Congress in Wash. DC.

APS Forum for Outreach and Engaging the Public

ELECTED MEMBER - 2 YEAR TERM

2023-'25

Served on the FOEP for a two-year term, carrying out the goals of APS on outreach for the public through mini-grants, workshops, fellowship awards, and the annual APS meeting. Subcommittees: Fellowship Committee, Nominating Committee

Host, Astronomy on Tap

UT AUSTIN - ONE OF THE LARGEST BRANCHES

2023-2025

Co-hosted monthly science shows of 250+ attendees

Intern, Smithsonian National Air and Space Museum

ASTRONOMY EDUCATION AND VISITOR SERVICES

Summer 2022

Trained as a program coordinator for education and visitor services department. Managed, scheduled, and briefed 800+ volunteer docents. Created hands-on astronomy curriculum that is used in the museum discovery carts today. Helped to organize large events like Tour of the Universe on the National Mall and implemented the curriculum with thousands of visitors

NASA Citizen Science Leadership Series

30+ WORKSHOPS

2022-2025

Attended monthly leadership workshops for all NASA Citizen Science Co-I's. Worked together to support each other and address issues in the field such as how to increase female representation in participatory science.

Workshop Facilitator, McDonald Observatory Teachers workshops

6 WORKSHOPS TOTAL- 3 EACH SUMMER

Summer 2021, 2023

Co-led workshops at McDonald Observatory for middle and high school teachers across the country. Provided and taught interactive hands-on lessons for high level concepts like dark energy.

Graduate Student Representative

UT AUSTIN ASTRONOMY DEPARTMENT

Summer 2021, 2023

Served as grad student liaison, attended faculty meetings, hosted town halls, served on graduate admissions committee

Co-Founder, Astro Graduate Congress

NATIONAL ORGANIZATION TO BRING TOGETHER ASTRONOMY DEPARTMENTS

Worked with 4 other members to start a group of graduate students who represent every astronomy department across the country. Created and implemented surveys that were used to inform task forces such as - AAS Education policy. This was born from Dot.Astronomy Conference.

Machine Learning Summer School

ODEN INSTITUTE FOR COMPUTATIONAL ENGINEERING AND SCIENCES

Summer 2021

2 week long summer school to learn innovative approaches and algorithms in AI and ML. Hack-a-thon style final project.

APS JNIPER Summit Invited Attendee

JOINT NETWORK FOR INFORMAL PHYSICS EDUCATION RESEARCHERS

Summer 2024

Invited to attend a summit for leaders in informal education. The goal was to bring informal education to the core to physics and astronomy. This summit resulted in White Paper- Call to action.

REFEREES & REVIEW PANELS

NASA Grant Review Panel American Physical Society - Review Panel

Citizen Science Conference - Referee

Capital of Texas Undergraduate Research Forum -Reviewer & Judge