

JUSTIN H. ROBINSON – CURRICULUM VITAE

CONTACT INFORMATION

Department of Physics & Astronomy
Georgia State University
Atlanta, GA 30302

Email: jrobinson138@gsu.edu
Office: 1 Park Place, Office 431
[Click Here for My Website](#)

CURRENT POSITION

Lecturer Georgia State University (GSU)	2024-Present
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EDUCATION

GSU Ph.D., Astronomy Advisor: Dr. Misty Bentz	2022
GSU M.S., Physics Advisor: Dr. Misty Bentz	2020
Saint Mary's College of California B.S. in Physics with Astrophysics Concentration Advisors: Dr. Ronald Olowin, Dr. Brian Hill	2017

PROFESSIONAL AFFILIATIONS

Museum of Aviation	2026-Present
PinkSTEM Foundation	2026-Present
Tellus Science Museum	2026-Present
Fernbank Museum of Natural History	2026-Present
Fernbank Science Center	2025-Present
Atlanta Astronomy Club	2025-Present
Astronomy on Tap (AoT)	2024-Present
Georgia Space Grant Consortium (GSGC)	2018-Present
American Astronomical Society (AAS) Member	2017-Present
Troy Astronomical Society (TAS)	2021-2023

LEADERSHIP POSITIONS

Director of Public Outreach, GSU	2026-Present
Cosmic Conversations (CC) at the Fernbank Science Center Program Manager Click here for CC's website	2026-Present
On-Campus Observation Co-Director, GSU	2025-Present
GSU Affiliate Director, GSGC	2024-Present
AoT Atlanta Program Manager Click here for AoT Atlanta's website	2024-Present
Georgia Outreach Team for Space (GOT Space) Faculty Lead, GSGC Click here for GOT Space's website	2023-Present
Undergraduate Summer Research Program Mentor, GSU	2025-2026
On-Campus Observation Director, GSU	2025
Three Taverns Astrophysics Lecture Series Director	2023-2024
Research Experience for Undergraduates (REU) Program Mentor, GSU	2024
Interim GSU Affiliate Director, GSGC	2023-2024

Research Committee Chair, Faculty Senate, Troy University (TU)	2023
Faculty Senate, TU	2022-2023
TAS President, TU	2022-2023
TAS Vice President, TU	2021-2022
Astronomy Graduate Lab Coordinator, GSU	2019-2021
AstroPAL (Peer Advising Leader), GSU	2019-2021
GOT Space Graduate Lead, GSGC	2018-2021
Graduate Student Liaison, AstroPAL & Physics Graduate Student Association, GSU	2018-2019

SKILLS

Proficient in IDL, Python, L^AT_EX, IRAF, DS9, MacOS, Windows, Linux, Microsoft Office Suite
 iCollege instructor and proficiency certification
 Canvas instructor and proficiency certification
 Knowledgeable in MaximDL
 CAMEL: geometric and dynamical modeling software of reverberation mapping data.
 Galfit: galaxy surface brightness modeling software.
 BusyFit: analytical modeling of emission line profiles.
 Green Bank Telescope (GBT) GBTIDL: IDL suite for reduction and analysis of GBT spectral data.
 Remote observing, GBT
 Arecibo Radio Telescope IDL_LBW: IDL suite for reduction and analysis of Arecibo spectral data.
 Remote observing, Arecibo Telescope

AWARDS AND HONORS

AAS Harlow Shapley Lecturer	2026
Click here for the 2026 AAS Harlow Shapley Lecturers	
Nominee, Ingalls Award for Excellence in Classroom Teaching, TU	2023

COURSES DEVELOPED AND TAUGHT

Studio courses are taught in a flipped classroom structure with the lab component integrated into the lecture.

PHYS-1111 “Introductory Physics I”

Undergraduate, algebra-based physics lab science course, GSU

PHYS-1111K “Introductory Physics I - Studio”

Undergraduate, algebra-based physics lab science course, GSU

PHYS-1112 “Introductory Physics II” (in progress)

Undergraduate, algebra-based physics lab science course, GSU

PHYS-1112K “Introductory Physics II - Studio”

Undergraduate, algebra-based physics lab science course, GSU

PHYS-2211 “Principles of Physics I”

Undergraduate, calculus-based physics lab science course, GSU

PHYS-4870 “Honors Thesis I”

Undergraduate senior research thesis physics course, GSU

PHYS-4900 “Research Projects”

Undergraduate independent research project physics course, GSU

ASTR-1000 “Introduction to the Universe”

Undergraduate science course, GSU

ASTR-1010 “Astronomy of the Solar System”

Undergraduate lab science course, GSU

ASTR-1020 “Stellar and Galactic Astronomy”

Undergraduate lab science course, GSU

ASTR-3301 “Extragalactic Astronomy”

Undergraduate astronomy & astrophysics course, TU

SCI-1110 “Exploring the Solar System”

Undergraduate lab science course, TU

SCI-L110 “Exploring the Solar System Lab”

Undergraduate science lab, TU

SCI-1110 ONLINE “Exploring the Solar System ”

Online undergraduate lab science course, TU

SCI-L110 ONLINE “Exploring the Solar System Lab”

Online undergraduate science lab, TU

SCI-2240 “Principles of Astronomy: Stars, Galaxies, and Cosmology”

Undergraduate lab science course, TU

SCI-L240 “Principles of Astronomy: Stars, Galaxies, and Cosmology Lab”

Undergraduate science lab, TU

SCI-2240 ONLINE “Principles of Astronomy: Stars, Galaxies, and Cosmology”

Online undergraduate lab science course, TU

SCI-L240 ONLINE “Principles of Astronomy: Stars, Galaxies, and Cosmology Lab”

Online undergraduate science lab, TU

SCI-L233 “Physical Science Laboratory”

Undergraduate science lab, TU

UNDERGRADUATE STUDENTS ADVISED (ACADEMIC)

Bartol Barcot, BS in physics (CoMPAs Internship), GSU	2025
Nicole Eikmeier, BS in physics, astronomy & astrophysics minor, TU	2023
Elizabeth Alexander, BS in physics, astronomy & astrophysics minor, TU	2023
Veronica Lahue, BS in physics, astronomy & astrophysics minor, TU	2022-2023
Thomas Kay, BS in physics, astronomy & astrophysics minor, TU	2022-2023
Aster Hamaker, BS in physics, astronomy & astrophysics minor, TU	2022-2023
Mystic Wilkes, BS in physics, astronomy & astrophysics minor, TU	2022-2023
Austen Hensley, BS in physics, TU	2021

GRANTS

“The Georgia Outreach Team for Space”

2024, 2025, 2026

Cumulative Amount Allocated: \$25,000

Funding Source: NASA, GSGC

PI: Justin Robinson (2026)

PI: Justin Robinson (2025)

PI: Sebastien Lepine, Co-PI: Justin Robinson (2024)

“Georgia State University - GSGC Fellowship”

2023, 2024, 2025

Cumulative Amount Allocated: \$30,000

Funding Source: NASA, GSGC

PI: Justin Robinson (2025)

PI: Sebastien Lepine, Co-PI: Justin Robinson (2024)

“Georgia State University - GSGC Visiting Observer Program”

2023, 2024, 2025

Cumulative Amount Allocated: \$13,000

Funding Source: NASA, GSGC

PI: Justin Robinson (2025)

PI: Sebastien Lepine, Co-PI: Justin Robinson (2024)

“AsTropaLooza: The Astronomy of ATL Showcase”

2025

Amount Allocated: \$30,000

Funding Source: NASA, GSGC

PI: Justin Robinson

Total: \$98,000

PUBLIC OUTREACH

PROGRAMS

CC at the Fernbank Science Center

2025-Present

Curate and manage featured GSU speakers for public science talk series hosted in the Jim Cherry Memorial Planetarium.

[Click here for CC’s website](#)

As of July 2026:

Total events: 6

Featured speakers: 2 graduate students, 4 faculty/research scientists

AoT Atlanta Program Manager

2024-Present

Curate and manage talks/serve as host for the Atlanta chapter of AoT

[Click here for AoT Atlanta’s website and featured speaker list](#)

As of July 2026:

Total events: 43

Featured speakers: 29 graduate students, 19 faculty/research scientists

Featured institutions: GSU, GA Tech, Emory, Vanderbilt, Smith College

GOT Space Faculty Lead

2023-Present

GOT Space Program faculty lead in association with the GSGC

[Click here for GOT Space’s website and Impact Map](#)

As of July 2026:

Number of Unique Schools/Programs Visited: 63

Congressional Districts: 7

Total number of impacted K-12 students: ~15,400

AsTropaLooza: The Astronomy of ATL Showcase

2025

4-day K-12 STEM outreach event, competitive grant funding awarded by GSGC/NASA

[Click here for AsTropaLooza’s website and Impact Map](#)

Number of Unique Participating Schools: 15

Congressional Districts: 3

Total number of RSVPs/number of K-12 RSVPs: 301/127

CONFERENCES/WORKSHOPS

[Frontiers in Science: Advancing Space Exploration](#)

2026

Hosted booth representing GSU public outreach programs

[Teach Fest](#)

2025

Featured roundtable panelist for GSU’s Department of Physics and Astronomy hosted by the Center for Excellence in Teaching, Learning, and Online Education (CETLOE)

STEMapalooza Conference	2021
Presented GOT Space presentations and demonstrations to Georgia STEM teachers; ran virtual and augmented reality demonstrations	
‘Learning Science Through the Lens of Astronomy’	2021
Hosted professional development workshop for Georgia STEM teachers; interactive K-12 STEM presentations of astronomy-themed topics	
Recording available, click here	
10th Georgia NASA STEM Conference	2020
Presented professional development workshop to Georgia STEM teachers	
STEM Undergraduate Ambassador Training Co-Facilitator	2019
1 of 2 graduate lead facilitators for training of 18 undergraduate GOT Space ambassadors	
GSGC-SPONSORED EVENTS/MATERIAL	
NASA National Space Grant 30th Anniversary Event on Capitol Hill	2020
1 of 3 representatives of Georgia outreach and GSGC; ran virtual and augmented reality demonstrations; met with 2 Georgia representatives to discuss impact and future funding	
Scientific Consultant for “Race Through Space: Galaxy Edition” App	2020
Selected galaxies, provided physical information, and calculated distance scales for Science ATL and Atlanta Science Festival’s app	
Click here for the app homepage	
Virtual GOT Space Public Talk	2020
Hosted virtual talk and Q&A: “Building M87’s Supermassive Black Hole Image”	
Recording available, click here	
Atlanta Race Through Space 5K	2019
Ran GSGC sponsor tent	
2026 AAS Harlow Shapley Lecturer	2026
Click here for the 2026 AAS Harlow Shapley Lecturers	
Public lecture: Chapel Hill Public Library	
Guest observer: Eno River State Park Star Party	
Guest observer: Kaleideium Statewide Star Party	
Hosted booth: Chapel Hill Public Library Moon Party	
Tellus Science Museum STEAM Break	2026
Hosted booth representing GSU public outreach programs	
Hard Labor Creek Observatory Volunteer	2023-Present
Operate telescopes & answer public questions during open houses	
Three Taverns Astrophysics Lecture Series Director	2023-2024
Curate, manage, and host GSU graduate student and faculty talks for monthly series at Three Taverns Brewery and Three Taverns Imaginarium	
TAS President	2022-2023
Curation, manage, and host invited speakers; director of observing sessions	
GOT Space Graduate Lead	2018-2021
GOT Space Program lead ambassador in association with the GSGC	
Number of events managed as Graduate Lead: 18	

INVITED TALKS AND COLLOQUIA

Tellus Science Museum Lunch + Learn “Building the Real Images of Supermassive Black Holes” Recording available, click here	2026
TU Chemistry and Physics Colloquium “The Cosmos and Its Galaxies As Seen Through Next-Generation Observatories”	2026
LAMP High School “The Cosmos and Its Galaxies As Seen Through Next-Generation Observatories”	2026
Charlie Elliott Astronomy Club “Refining and Extending the Cosmic Distance Ladder”	2025
GSU Physics and Astronomy Colloquium “On the Tully-Fisher Relation for Active Galaxies”	2025
Vanderbilt University $\Phi\Delta\Theta$ Tennessee Alpha Chapter 60th Anniversary Keynote “The Hubble Tension: Measuring the Universe’s Elusive Expansion Rate” Recording available, click here	2025
Space Telescope Science Institute Galaxies and AGNs Journal Club Guest Presenter “On the Tully-Fisher Relation for AGN Host Galaxies”	2024
Bradley Observatory at Agnes Scott College Open House “Building the Real Images of Supermassive Black Holes”	2023
Charlie Elliott Astronomy Club “Probing Nearby Active Galaxies: Distances, Masses, Dark Matter, and Black Holes”	2022
University of Alabama at Birmingham Physics Colloquium “Probing Nearby Active Galaxies: Distances, Masses, Dark Matter, and Black Holes”	2022
Charlie Elliott Astronomy Club Invited Talk “Probing Nearby Active Galaxies: Distances, Masses, Dark Matter, and Black Holes”	2022
Von Braun Astronomical Society “Probing Nearby Active Galaxies: Distances, Masses, Dark Matter, and Black Holes”	2022
Space Telescope Science Institute Galaxies and AGNs Journal Club Guest Presenter “Distances and Masses for 24 Host Galaxies of Reverberation-Mapped AGN”	2021
United States Naval Observatory Journal Club Guest Presenter “Tully-Fisher Distances and Dynamical Mass Constraints for 24 Host Galaxies of Reverberation-Mapped AGN”	2021
Bradley Observatory at Agnes Scott College Open House “Probing Nearby Active Galaxies: Distance, Masses, Dark Matter, and Black Holes” Recording available, click here	2021

FEATURES IN POPULAR MEDIA

Quoted by the <i>Atlanta Journal Constitution</i> Click here for article	2026
Feature by <i>Secret Atlanta</i> : AoT Atlanta “Learn the secrets of the universe (& beyond): Astronomy on Tap Atlanta offers FREE lectures by Georgia Tech & GSU scholars at local breweries – with the chance to star & planet-gaze through a real telescope” Click here for article	2026

“Georgia scientists host a stunning new talk series on Fernbanks 10k resolution planetarium dome to explain the workings of the universe – illuminating, easy to understand conversations about the cosmos”

[Click here for article](#)

ASTRONOMY SERVICE

Referee for <i>The Astrophysical Journal (ApJ)</i>	2022-Present
Scientific referee on 2 research manuscripts	
Subject-matter expert reviewer in a NASA peer review	2023, 2025

UNIVERSITY SERVICE

GSGC Affiliate Director, GSU	2024-Present
Serve as director of communication, resources, programs, collaborations, proposals, and grant management between GSU and the GSGC	
Physics & Astronomy Undergraduate Advisor, TU	2021-2023
Faculty Senate, TU	2022-2023
COMMITTEES	
Chair, Research Committee	2023
Executive Committee	2023
Athletic Advisory Committee	2022-2023
Academic Affairs Committee	2022-2023
IMPACT Faculty Representative, TU	2022
Representative of Chemistry & Physics Department for new student orientation session	
Commencement Faculty Representative, TU	2022
Trojan Day Faculty Representative, TU	2021, 2022
Representative of Chemistry & Physics Department for prospective students	

COLLEGE SERVICE

Astronomy & Astrophysics Colloquium Director, TU	2022-2023
Curate and manage invited speakers for the astronomy & astrophysics colloquium series for the College of Arts and Sciences at TU	

DEPARTMENT SERVICE

Director of Public Outreach, GSU	2026-Present
Direction of all public outreach programs funded and sponsored by the GSGC (GOT Space, AoT Atlanta, Cosmic Conversations) for the Department of Physics and Astronomy	
On-Campus Observation Co-Director, GSU	2025-Present
Organize and facilitate on-campus observing sessions for students of the Department of Physics and Astronomy	
Department Academic Program Review Outreach Contributions, GSU	2025
Contributed majority of material, text, and figures for the “Contributions to Cities and the Community” and “Globalizing the University” sections of the 2025 Self-Study Report for Academic Program Review for the Department of Physics and Astronomy at GSU	

COMMITTEES

Chair, Publicity and Outreach Committee, GSU	2026-Present
ASTR 1000 Committee, GSU Construction of and adherence to consistent pedagogy between instructors and advocacy for cost-effective textbook options for ASTR 1000	2024-Present
Co-Chair, HyperPhysics Committee, GSU Management and updating of HyperPhysics Chair, HyperPhysics limited-term faculty search committee Serve as advisor to HyperPhysics limited-term faculty	2023-Present
Undergraduate Research Committee, GSU Selection of accepted REU applicants, management of REU program	2023-2025
Departmental Evaluations Committee, GSU Curate and update student learning outcomes and end-of-semester evaluations for ASTR1010K and ASTR1020K courses	2023-2025
On-Campus Observation Director, GSU	2025
New Astronomy Course Development, TU “Extragalactic Astronomy” “Stellar Evolution” “Astronomy Capstone”	2022-2023 2022-2023 2023 2022-2023
Student Recruitment to Physics Major, TU Students recruited: 7	2022-2023
Astronomy & Astrophysics Minor Development, TU Develop requirements and material included in new Astronomy & Astrophysics minor	2022-2023
GSU Publicity & Outreach Committee Member Reporting of outreach events and student groups in the GSU official newsletter.	2020-2022
Online Instruction Material Development, GSU Built online curriculum for 1010 and 1020 introductory astronomy labs	2020
Workshop Development for Graduate Students Through AstroPAL, GSU Developed material for 1st and 2nd year graduate students (qualifying exam preparation, coding, scientific writing, etc.)	2019-2021

RESEARCH INTERESTS

HI 21 cm emission line diagnostics; active galactic nucleus host galaxies; extragalactic distance determinations; galaxy baryonic/dynamical/dark matter mass determinations; relationships between galaxies and supermassive black holes; supermassive black hole mass measurements via reverberation mapping.

OBSERVING EXPERIENCE

100m GBT: Green Bank Observatory, Green Bank WV
305m Arecibo Telescope: Arecibo Observatory, Arecibo PR
3.5m A.R.C. Telescope: Apache Point Observatory, Sunspot NM
0.5m A.R.C.S.A.T. Telescope: Apache Point Observatory, Sunspot NM
20m Green Bank Telescope: Green Bank Observatory, Green Bank WV
0.60m Miller Telescope: Hard Labor Creek Observatory, Rutledge GA
0.4m Meade Schmidt-Cassegrain Telescope: Geissberger Observatory, Moraga CA

PEER-REVIEWED PUBLICATIONS

“On the Tully-Fisher Relation for Active Galaxies – I: Evidence of Larger Scatter”

Justin H. Robinson, 14 co-authors et al. 2026, ApJ, 1006, 249

[Click here for the abstract](#)

“Investigating the Narrow Line Region Dynamics in Nearby Active Galaxies”

Beena Meena, 9 co-authors including Justin H. Robinson et al. 2023, ApJ, 943, 98

[Click here for the abstract](#)

“Tully-Fisher Distances and Dynamical Mass Constraints for 24 Host Galaxies of Reverberation-Mapped AGN”

Justin H. Robinson, 8 co-authors et al. 2021, ApJ, 912, 160

[Click here for the abstract](#)

“HI Spectroscopy of Reverberation-Mapped Active Galactic Nuclei”

Justin H. Robinson, 4 co-authors et al. 2019, ApJ, 880, 68

[Click here for the abstract](#)

ACCEPTED PROPOSALS

“HI Spectroscopy of Active Galaxies with Direct Black Hole Mass Measurements”

GBT Project ID: GBT18B-258

Hours allocated: 208.25

CONFERENCE TALKS AND POSTERS

247th AAS Meeting, Poster Number 443.08

2026

“On the Tully-Fisher Relation for Active Galaxies – I: Evidence of Larger Scatter”

Justin Robinson, 14 co-authors

245th AAS Meeting, Poster Number 252.05

2025

“Dynamical Modeling of the Broad Line Region of NGC 4151”

Mahitha Ramachandran, **Justin Robinson**

242nd AAS Meeting, Poster Number 341.23

2023

“On the Tully-Fisher Relation for AGN Host Galaxies”

J. Robinson, M. Revalski, T. Kay, V. Lahue, M. Menon

240th AAS Meeting, Talk Number 335.04D

2022

“Distances & Black Hole Masses of Nearby Seyferts”

J. Robinson, M. Bentz

237th AAS Meeting, Talk Number 209.01

2021

“Dynamical Masses for the Host Galaxies of Reverberation-Mapped AGN”

J. Robinson, M. Bentz

236th AAS Meeting, Talk Number 225.03

2020

“Fundamental Properties of Active Galaxies: Distances and Masses of Nearby Seyferts,”

J. Robinson, M. Bentz

Recording available, [click here](#)

7th Perimeter Astronomy Conference

2019

“Connecting AGN Host Galaxies to the Cosmic Distance Ladder”

Georgia Regional Astronomers Meeting

2018

“HI Spectroscopy of Reverberation-Mapped Active Galactic Nuclei”

Recording available, [click here](#)

6th Perimeter Astronomy Conference

2018

“HI Spectroscopy of Reverberation-Mapped Active Galactic Nuclei”

Recording available, [click here](#)**5th Perimeter Astronomy Conference**

2017

“The Radio View of Galaxies in the Nearby Universe”

UNDERGRADUATE STUDENTS ADVISED (RESEARCH)

Cindy Chen, BS in physics, GSU	2026-Present
Robin Davis, Fernbank Science Center	2026
Jazmin Martinez, BS in physics, GSU	2026
Richelle Nunez, BA in music education, GSU	2025-2026
Willem Humphries, BS in physics, GSU	2025-2026
Nathan Borchers, BS in physics, astronomy concentration, GSU	2025-2026
Meenakshi Raj, BS in physics (PHYS 4870K student), GSU	2025-2026
Veronica Lahue, BS in physics, astronomy & astrophysics minor, TU	2022-2026
Abraham Seck, BS in physics, astronomy concentration (TEAM-UP Scholarship), GSU	2025
Mahitha Ramachandran, BS in astronomy & astrophysics (REU Student), University of Pittsburgh	2024
Ishita Chintala, BS in physics (REU Student), GSU	2024
Naveen Ali, BS in aerospace engineering, Georgia Institute of Technology	2023-2024
Atul Gautam, BS in physics, GSU	2023-2024
Bradley Clemons, BS in physics (PHYS 4900K student), GSU	2023-2024
Thomas Gregoire, BS in physics (PHYS 4900K student), GSU	2023
Thomas Kay, BS in physics, astronomy & astrophysics minor, TU	2022-2024

UNDERGRADUATE CONFERENCE PUBLICATIONS

“Dynamical Modeling of the Broad Line Region of NGC 4151”

Mahitha Ramachandran, Justin H. Robinson 2025, ASPC, 540, 9

[Click here for the abstract](#)**DISSERTATION AND THESIS COMMITTEES (MEMBER)**

 Kayvon Sharifi, PhD, Astronomy, GSU

In Progress

Updated August 2026