

# JUSTIN H. ROBINSON – CURRICULUM VITAE

## CONTACT INFORMATION

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

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

## CURRENT POSITION

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**Lecturer** 2024-Present  
Georgia State University (GSU)

## EDUCATION

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**GSU** 2022  
Ph.D., Astronomy  
Advisor: Dr. Misty Bentz

**GSU** 2020  
M.S., Physics  
Advisor: Dr. Misty Bentz

**Saint Mary's College of California** 2017  
B.S. in Physics with Astrophysics Concentration  
Advisors: Dr. Ronald Olowin, Dr. Brian Hill

## PROFESSIONAL AFFILIATIONS

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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

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Director of Public Outreach, GSU 2026-Present  
Cosmic Conversations at the Fernbank Science Center Program Manager 2026-Present  
[Click here for Cosmic Conversations' website](#)

On-Campus Observation Co-Director, GSU 2025-Present  
GSU Affiliate Director, GSGC 2024-Present  
AoT Atlanta Program Manager 2024-Present  
[Click here for AoT Atlanta's website](#)

Georgia Outreach Team for Space (GOT Space) Faculty Lead, GSGC 2023-Present  
[Click here for GOT Space's website](#)

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

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Proficient in IDL, Python, L<sup>A</sup>T<sub>E</sub>X, IRAF, DS9, MacOS, Windows, Linux, Microsoft Office Suite  
iCollege instructor and proficiency certification  
Canvas instructor and proficiency certification  
Knowledgeable in MaximDL  
CARMEL: 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

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AAS Harlow Shapley Lecturer	2026
<a href="#">Click here for the 2026 AAS Harlow Shapley Lecturers</a>	
Nominee, Ingalls Award for Excellence in Classroom Teaching, TU	2023

## COURSES DEVELOPED AND TAUGHT

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

### **PHYS-1111K “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-1112K “Introductory Physics II - Studio”**

Undergraduate, algebra-based physics lab science course, GSU

### **PHYS-2211K “Principles of Physics I”**

Undergraduate, calculus-based physics lab science course, GSU

### **PHYS-4870K “Honors Thesis I”**

Undergraduate senior research thesis physics course, GSU

### **PHYS-4900K “Research Projects”**

Undergraduate independent research project physics course, GSU

### **ASTR-1000K “Introduction to the Universe”**

Undergraduate science course, GSU

### **ASTR-1010K “Astronomy of the Solar System”**

Undergraduate lab science course, GSU

### **ASTR-1020K “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)**

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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**

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<b>“AsTropaLooza: The Astronomy of ATL Showcase”</b>	2025
Amount Allocated: \$30,000	
Funding Source: NASA, GSGC	
PI: Justin Robinson	
<b>“The Georgia Outreach Team for Space”</b>	2024, 2025
Cumulative Amount Allocated: \$15,000	
Funding Source: NASA, GSGC	
PI: Justin Robinson (2025)	
PI: Sebastien Lepine, Co-PI: Justin Robinson (2024)	
<b>“Georgia State University - GSGC Fellowship”</b>	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)

**Total: \$88,000**

## PUBLIC OUTREACH

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### PROGRAMS

#### ‘Cosmic Conversations’ 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 Cosmic Conversation’s website](#)

As of May 2026:

Total events: 5

Featured speakers: 2 graduate students, 3 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 May 2026:

Total events: 41

Featured speakers: 28 graduate students, 18 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 May 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

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**

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**TU Chemistry and Physics Colloquium**

2026

“The Cosmos and Its Galaxies As Seen Through Next-Generation Observatories”

**LAMP High School**

2026

“The Cosmos and Its Galaxies As Seen Through Next-Generation Observatories”

**Charlie Elliott Astronomy Club**

2025

“Refining and Extending the Cosmic Distance Ladder”

<b>GSU Physics and Astronomy Colloquium</b> “On the Tully-Fisher Relation for Active Galaxies”	2025
<b>Vanderbilt University <math>\Phi\Delta\Theta</math> Tennessee Alpha Chapter 60th Anniversary Keynote</b> “The Hubble Tension: Measuring the Universe’s Elusive Expansion Rate” Recording available, <a href="#">click here</a>	2025
<b>Space Telescope Science Institute Galaxies and AGNs Journal Club Guest Presenter</b> “On the Tully-Fisher Relation for AGN Host Galaxies”	2024
<b>Bradley Observatory at Agnes Scott College Open House</b> “Building the Real Images of Supermassive Black Holes”	2023
<b>Charlie Elliott Astronomy Club</b> “Probing Nearby Active Galaxies: Distances, Masses, Dark Matter, and Black Holes”	2022
<b>University of Alabama at Birmingham Physics Colloquium</b> “Probing Nearby Active Galaxies: Distances, Masses, Dark Matter, and Black Holes”	2022
<b>Charlie Elliott Astronomy Club Invited Talk</b> “Probing Nearby Active Galaxies: Distances, Masses, Dark Matter, and Black Holes”	2022
<b>Von Braun Astronomical Society</b> “Probing Nearby Active Galaxies: Distances, Masses, Dark Matter, and Black Holes”	2022
<b>Space Telescope Science Institute Galaxies and AGNs Journal Club Guest Presenter</b> “Distances and Masses for 24 Host Galaxies of Reverberation-Mapped AGN”	2021
<b>United States Naval Observatory Journal Club Guest Presenter</b> “Tully-Fisher Distances and Dynamical Mass Constraints for 24 Host Galaxies of Reverberation-Mapped AGN”	2021
<b>Bradley Observatory at Agnes Scott College Open House</b> “Probing Nearby Active Galaxies: Distance, Masses, Dark Matter, and Black Holes” Recording available, <a href="#">click here</a>	2021

## FEATURES IN POPULAR MEDIA

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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” <a href="#">Click here for article</a>	2026
Feature by <i>Secret Atlanta</i> : Cosmic Conversations “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” <a href="#">Click here for article</a>	2026

## ASTRONOMY SERVICE

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

## UNIVERSITY SERVICE

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**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

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**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

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**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 1000K Committee, GSU** 2024-Present

Construction of and adherence to consistent pedagogy between instructors and advocacy for cost-effective textbook options for ASTR 1000K

**Co-Chair, HyperPhysics Committee, GSU** 2023-Present

Management and updating of [HyperPhysics](#)

**Undergraduate Research Committee, GSU** 2023-2025

Selection of accepted REU applicants, management of REU program

**Departmental Evaluations Committee, GSU** 2023-2025

Curate and update student learning outcomes and end-of-semester evaluations for ASTR1010K and ASTR1020K courses

<b>On-Campus Observation Director, GSU</b>	2025
<b>New Astronomy Course Development, TU</b>	2022-2023
“Extragalactic Astronomy”	2022-2023
“Stellar Evolution”	2023
“Astronomy Capstone”	2022-2023
<b>Student Recruitment to Physics Major, TU</b>	2022-2023
Students recruited: 7	
<b>Astronomy &amp; Astrophysics Minor Development, TU</b>	2022-2023
Develop requirements and material included in new Astronomy & Astrophysics minor	
<b>GSU Publicity &amp; Outreach Committee Member</b>	2020-2022
Reporting of outreach events and student groups in the GSU official newsletter.	
<b>Online Instruction Material Development, GSU</b>	2020
Built online curriculum for 1010 and 1020 introductory astronomy labs	
<b>Workshop Development for Graduate Students Through AstroPAL, GSU</b>	2019-2021
Developed material for 1st and 2nd year graduate students (qualifying exam preparation, coding, scientific writing, etc.)	

## RESEARCH INTERESTS

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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

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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

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“On the Tully-Fisher Relation for Active Galaxies – I: Evidence of Larger Scatter”  
Justin H. Robinson, 14 co-authors et al. 2026, submitted to ApJ

“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

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

GBT Project ID: GBT18B-258

Hours allocated: 208.25

## CONFERENCE TALKS AND POSTERS

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<b>247th AAS Meeting, Poster Number 443.08</b>	2026
“On the Tully-Fisher Relation for Active Galaxies – I: Evidence of Larger Scatter” <b>Justin Robinson</b> , 14 co-authors	
<b>245th AAS Meeting, Poster Number 252.05</b>	2025
“Dynamical Modeling of the Broad Line Region of NGC 4151” Mahitha Ramachandran, <b>Justin Robinson</b>	
<b>242nd AAS Meeting, Poster Number 341.23</b>	2023
“On the Tully-Fisher Relation for AGN Host Galaxies” <b>J. Robinson</b> , M. Revalski, T. Kay, V. Lahue, M. Menon	
<b>240th AAS Meeting, Talk Number 335.04D</b>	2022
“Distances & Black Hole Masses of Nearby Seyferts” <b>J. Robinson</b> , M. Bentz	
<b>237th AAS Meeting, Talk Number 209.01</b>	2021
“Dynamical Masses for the Host Galaxies of Reverberation-Mapped AGN” <b>J. Robinson</b> , M. Bentz	
<b>236th AAS Meeting, Talk Number 225.03</b>	2020
“Fundamental Properties of Active Galaxies: Distances and Masses of Nearby Seyferts,” <b>J. Robinson</b> , M. Bentz Recording available, <a href="#">click here</a>	
<b>7th Perimeter Astronomy Conference</b>	2019
“Connecting AGN Host Galaxies to the Cosmic Distance Ladder”	
<b>Georgia Regional Astronomers Meeting</b>	2018
“HI Spectroscopy of Reverberation-Mapped Active Galactic Nuclei” Recording available, <a href="#">click here</a>	
<b>6th Perimeter Astronomy Conference</b>	2018
“HI Spectroscopy of Reverberation-Mapped Active Galactic Nuclei” Recording available, <a href="#">click here</a>	
<b>5th Perimeter Astronomy Conference</b>	2017
“The Radio View of Galaxies in the Nearby Universe”	

## UNDERGRADUATE STUDENTS ADVISED (RESEARCH)

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Cindy Chen, BS in physics, GSU	2026-Present
Jazmin Martinez, BS in physics, GSU	2026-Present
Richelle Nunez, BA in music education, GSU	2025-Present
Veronica Lahue, BS in physics, astronomy & astrophysics minor, TU	2022-Present
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
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

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“Dynamical Modeling of the Broad Line Region of NGC 4151”  
 Mahitha Ramachandran, Justin H. Robinson 2025, ASPC, 540, 9  
[Click here for the abstract](#)

*Updated* May 2026