

# Ryan Hall

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## Education

### **Georgia State University**

Enrolled in Ph.D. program, Astronomy, Expected 2022.  
Fields: Imaging Through High-Atmospheric Turbulence, Polychromatic Imaging  
M.S., Physics, 2019.

### **Missouri State University**

B.Sc., Physics, 2017.  
Minor Computer Science

## Research Experience

### **Dept. of Physics and Astronomy, Georgia State University**

Graduate Research Associate  
Project: Polychromatic Imaging  
Advisor: Stuart Jefferies

### **Air Force Research Laboratory**

AFRL Summer Intern  
Project: Wave Propagation Simulations for Broadband Image Processing  
Advisor: Rao Gudimetla  
Project: Polychromatic Effects on Incoherent Imaging Through Anisoplanatic Turbulence  
Advisor: Mark Spencer

### **Dept. of Physics, Astronomy, & Materials Science, Missouri State University**

NASA EPSCOR Intern  
Project: MICRONERVA (MICRO Novel Exoplanet Radial Velocity Array)  
Advisor: Peter Plavchan

### **NASA Infrared Telescope Facility**

Observations with the C-Shell (2015-2016) and I-Shell (2016) spectrographs  
Observing time proposed and granted to Dr. Peter Plavchan

### **Hard Labor Creek Observatory**

V-band, long-cadence observations of four AGN on a 24 inch Corrected Dall-Kirkham  
Astrograph PlaneWave Telescope

## Computer Skills

Python, Julia, MATLAB, WavePlex, C++, IDL, SQL, Oracle  
Microsoft Office, Unix, Mac, Windows

Outreach/  
Activities

**The Region VII Science Olympiad Tournament**

Volunteer Judge, Missouri State University, 2016

**NASA Public Observing Nights, Baker Observatory**

Volunteer Telescope Operator, Missouri State University, 2015-2016

Teaching

**Physics and Astronomy, Georgia State University**

Teaching Assistant, ASTR-1010: Astronomy of the Solar System Lab, 2017-Present

Teaching Assistant, ASTR-1020: Stellar and Galactic Astronomy Lab, 2017-Present

Awards and  
Fellowships

**Second Century Initiative (2CI) University Doctoral Fellowship**

Georgia State University, 2017-Present

**Dean's Scholarship**

Missouri State University, 2013-2017

**Missouri Advantage Scholarship**

Missouri State University, 2013-2015

**Access Missouri Grant**

Missouri State University, 2015-2016

**Dean's List**

Missouri State University, 2013-2017

References

Stuart Jefferies

Physics and Astronomy

Georgia State University

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Peter Plavchan

Physics and Astronomy

George Mason University

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Rao Gudimetla

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