

Kendall Sullivan

CONTACT INFORMATION

kendallsullivan@utexas.edu

kendallsullivan.github.io

EDUCATION

University of Texas at Austin, Austin, TX

PhD Candidate, Advisor: Prof. Adam Kraus

Aug. 2018 - Present

NSF Graduate Research Fellow

Awarded 2020

University of Massachusetts, Amherst, MA

B.S. Physics and Astronomy, Cum Laude

Aug. 2014 - Feb. 2018

Commonwealth Honors College Scholar with Great Distinction

Departmental Honors in Astronomy

Honors Thesis: *S and VV Corona Australis: Two Extreme Young Binary Systems*

Advisors: Dr. Lisa Prato (Lowell Observatory) and Professor Suzan Edwards (Smith College)

RESEARCH INTERESTS

- Exploring the demographics of exoplanets in binary stars to understand the impacts of multiplicity on planet formation.
- Understanding the formation and evolution of planets using binary stars as a laboratory for extreme environments.
- Studying young stellar populations using synthetic surveys of star-forming regions.
- Developing computational methods to better understand the properties of planets and stars in complex systems, including binary stars and active stars.

RESEARCH POSITIONS

University of Texas at Austin

PhD Student

2018 - Present

NSF Graduate Research Fellow

2020 - Present

Northern Arizona University/Lowell Observatory

Research Assistant

Jan. 2018 - Aug. 2018

REU student

Summer 2017

Five College Astronomy Department

Five College Astronomy Department Summer Intern

Summer 2016

Research Assistant

Sept. 2015 - Dec. 2017

FELLOWSHIPS AND AWARDS

National Science Foundation

Graduate Research Fellowship

Awarded 2020

Conference Awards

Sagan Summer Workshop Travel Grant

2022

Emerging Researchers in Exoplanet Science Travel Grant

2022

University of Texas at Austin

Board of Visitors 2nd Year Defense Award

Awarded 2020

Dean's Unrestricted Fellowship

1 year; awarded 2018

Astronomy Dept. Recruitment Fellowship

2 summers; awarded 2018

University of Massachusetts, Amherst

Honors College Research Fellowship

Fall 2016

David. J. Van Blerkom Research Fellowship in Astronomy

Summer 2016

REFEREED PUBLICATIONS

Sullivan, K., and Kraus, A.L., *Revising Properties of Planet-host Binary Stars II.: Apparent Near-Earth Analog Planets in Binaries Are Often Sub-Neptunes*, in review

Sullivan, K., Kraus, A.L., and Mann, A.W., *Revising Properties of Planet-host Binary Stars I.: Methods and Pilot Study*, 2022, accepted to ApJ

Sullivan, K. and Kraus, A.L., *Optical and NIR Excesses Are Correlated In T Tauri Stars*, 2022, ApJ, 928, 134

Sullivan, K. and Kraus, A.L., *Undetected Binary Stars Cause an Observed Mass Dependent Age Gradient in Upper Scorpius*, 2021, ApJ, 912, 137
 Nofi, L., et al. (includes K. Sullivan), *Projected Rotational Velocities and Fundamental Properties of Low-Mass Pre-Main Sequence Stars in the Taurus-Auriga Star Forming Region*, 2021, ApJ, 911, 138
Sullivan, K., Prato, L., Edwards, S., et al., *Accretion and variability in S Corona Australis and VV Corona Australis*, 2019, ApJ, 884, 28
 Flagg, L., et al. (includes K. Sullivan), *CO Detected in CI Tau b: Hot Start Implied by Planet Mass and M_K* , 2019, ApJ Letters, 878, 37
 Irwin, J., et al. (includes K. Sullivan), *CHANG-ES - VIII. Uncovering hidden AGN activity in radio polarization*, 2017, MNRAS, 464, 2, 1333-1346

PI OBSERVING EXPERIENCE	McDonald Observatory	
	Hobby-Eberly Telescope/LRS2-R - 55 h	2021-2+3; 2022-2+3
	NOIRLab/NOAO	
	Gemini South/GMOS - 2.2 hours	2021B
	IRTF/iSHELL - 4 half nights	2019B
	KPNO/WIYN 0.9m telescope - 5 nights	2017/2018
STUDENTS SUPERVISED	Hunter Brooks (Northern Arizona University; co-supervised)	Jan. 2022-present
TEACHING AND OUTREACH	Sagan Summer Workshop	
	Hands-on session TA	Summer 2022
	University of Texas at Austin	
	TAURUS/REU Intro Astronomy Seminar lead	Summer 2021, 2022
	Undergraduate Python Bootcamp TA	Summer 2019, 2021, 2022
	University of Massachusetts Learning Resource Center	
	Peer Tutor/Tutor Peer Mentor	Sept 2015 - December 2017
	Five College Astronomy Club	
	President	May 2017 - December 2017
	Diversity coordinator	Sept 2016 - May 2017
	Orchard Hill Observatory	
	Assistant Director	May 2017 - December 2017
SERVICE AND MENTORING	Graduate-Undergraduate Mentoring Program co-lead	Fall 2021-present
	TAURUS/REU weekly seminar lead organizer	2021, 2022
	NASA Grant Review Panel Executive Secretary	2 years
	Graduate Student Assembly Representative	2021-2022
	Dean's Council Representative	2021-present
	Graduate Student Departmental Reform Committee	2020-2021
	UT Undergraduate Mentor	2019-present
	TAURUS Mentor	2019, 2021, 2022