CURRICULUM VITAE

Arjun Savel

408-391-9778
asavel@gmail.com
https://arjunsavel.github.io

Education

Ph.D. University of Maryland (expected, Astronomy)
BA, University of California, Berkeley (May 2020, Astrophysics, Physics)

Selected Honors, Prizes and Honors

Gregor and Donat Wentzel Scholarship, University of Maryland, 2020
ǂChambliss Astronomy Achievement Award Student Prize, AAS 235, 2020
†Outstanding Graduate Student Instructor Award, UC Berkeley, 2020
*1st place at Astronomy Poster Summer Intern Symposium (APSIS), UC Berkeley, 2019
Student Technology Fund grant for ULAB, UC Berkeley, 2018
Ongoing UC Berkeley Physics Department award for ULAB, 2018

Papers in Prep

2. **Arjun Savel**, Lea Hirsch, Courtney Dressing, David Ciardi. "SImMER: An open-source image reduction pipeline," in preparation for submission to Publications of the Astronomical Society of the Pacific.
1. **Arjun Savel**, Courtney Dressing, Lea Hirsch, David Ciardi, Jordan P.C. Fleming, Steven Giacalone, Andrew W. Mayo, Jessie Christiansen. "A closer look at exoplanet occurrence rates: the impact of stars without planets," in preparation for submission to The Astronomical Journal.

Talks and Posters

8. Courtney D. Dressing, Steven Giacalone, Ellianna S. Abrahams & 7 coauthors including **Arjun Savel**, 2020. "Using TESS to Investigate the Frequency of Planetary Systems Orbiting Cool Dwarfs", AAS 235, Honolulu, Hawai'i
7. ǂ**Arjun Savel,** Courtney D. Dressing, Lea Hirsch, David Ciardi, Jordan P.C. Fleming, Steven Giacalone, Andrew W. Mayo, Jessie L. Christiansen, 2020. "A closer look at planet occurrence rates: AO follow-up of 71 stars in the Kepler field", AAS 235, Honolulu, Hawai'i
6. **Arjun Savel,** Courtney D. Dressing, Lea Hirsch, David Ciardi, Jordan P.C. Fleming, Steven Giacalone, Andrew W. Mayo, Jessie L. Christiansen, 2019. "A Closer Look at Exoplanet Occurrence Rates: Considering the Multiplicity of Stars without Detected Planets", Bay Area Exoplanet Meeting #31, NASA Ames

5. **Arjun Savel**, Courtney D. Dressing, Lea Hirsch, David Ciardi, Jordan P.C. Fleming, Steven Giacalone, Andrew W. Mayo, Jessie L. Christiansen, 2019. "A Closer Look at Exoplanet Occurrence Rates: The Impact of Stars Without Exoplanets", Bay Area Planetary Sciences Meeting, Stanford University.
4. **Arjun Savel**, 2019."Earth: Rare or Regular?", Undergraduate Seminars, UC Berkeley Physics Department.
3. ***Arjun Savel**, Courtney D. Dressing, Lea Hirsch, David Ciardi, Jordan P. C. Fleming, Jessie L. Christiansen, 2019. "A closer look: AO follow-up of 109 stars in the *Kepler* and K2 fields", APSIS Poster Session, UC Berkeley.
2. Courtney D. Dressing, **Arjun Savel** et al. 2019. "Characterizing Planetary Systems Orbiting *TESS* Cool Dwarfs", TESS Science Conference I, MIT.
1. Steven Giacalone, Courtney Dressing, **Arjun Savel**, 2019. "Validation of TESS Exoplanet Candidates", 3rd Advanced School on Exoplanetary Science, Vietri sul Mare.

Observing Experience

3-m Shane telescope (ShARCS), Mt. Hamilton, CA: assisted with 10 nights
10-meter Keck Telescope (NIRC2), Mauna Kea, HI: assisted with 1/2 night
10-meter Keck Telescope (NIRSPEC), Mauna Kea, HI: assisted with 1/2 night

Teaching Experience

Undergraduate Student Instructor, Astronomy C12 (The Planets), UC Berkeley, under Courtney Dressing and Raymond Jeanloz (2020)
†Undergraduate Student Instructor, Astronomy C10 (Introduction to General Astronomy), UC Berkeley, under Alex Filippenko (2018-19)

Community involvement

Mentor, TARDIS Google Summer of Code, 2020
Undergraduate Representative, Astronomy Department, University of California, Berkeley (2019-20)
Director, Undergraduate Lab at Berkeley (ULAB), University of California, Berkeley (2018-19)

Workshops and Other Experience

JWST Master Class Workshop, Stanford University (2020)
Night Editor, The Daily Californian (2017)

Technical skills

Python, ADQL/SQL, R, MCMC, neural networks, astronomical image reduction, open-source code management

References available upon request.

Last updated: April 2020