# Ashley Chontos

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EDUCATION	
Ph.D., Astronomy, University of Hawai'i at Mānoa Thesis: Precise Stellar and Planet Properties in the Kepler, K2 & TE Advisor: Daniel Huber	(expected June 2022) SSS Era
M.Sc., Astronomy, University of Hawai'i at Mānoa	2018
B.Sc., Mathematics, Summa Cum Laude, SUNY Albany Focuses: Statistics, Applied Mathematics	2016
Minor: Computer Science	2016
B.Sc., Physics, Summa Cum Laude, SUNY Albany	2016
Professional Employment	
$NSF\ Graduate\ Research\ Fellow$	2018-present
Research Assistant, University of Hawaiʻi at Mānoa	2017 - 2018
Research Assistant, NASA Goddard Space Flight Center	2016
Research Assistant, Stanford University	2015 - 2016
Research Interests	
troscopy, precise radial velocities, software development, computation sequence planetary system dynamics and evolution, space telescopes,  SELECTED HONORS & AWARDS	
SELECTED HONORS & TWINDS	
Friends of the IfA Outreach Award	2019
	2019 2019
Friends of the IfA Outreach Award	
Friends of the IfA Outreach Award ARCS (Achievement Reward for College Scientists) National Science Foundation Graduate Research Fellowship Outstanding Outreach Award	2019
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Friends of the IfA Outreach Award ARCS (Achievement Reward for College Scientists) National Science Foundation Graduate Research Fellowship Outstanding Outreach Award John C. Mather Nobel Scholar  SELECTED TALKS  Stanford KIPAC Tea Talk (invited) University of Chicago Exoplanet Journal Club (invited)	2019 2018 2017 2016 November 2021 September 2021 September 2021
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# TEACHING, SERVICE & LEADERSHIP

Mentor for high school students through HI STAR	2017-present
$AstronomyGraduateOutreachCoordinator {\it \& Volunteer}$	2016 - 2020
Selected Events:	
· Punahou Speaker Series (Oahu, HI)	2018-present
· Boy Scouts of Hawai'i Astronomy Merit Badge (Oahu, HI)	2017, 2018, 2019
· Stem Fest (Oahu, HI)	2017, 2018, 2019
· Hawaiian Astronaut Lacy Veach Day (Oahu, HI)	2017, 2018, 2019
· Astroday (Big Island, HI)	2016, 2017a/b, 2018a/b
Teaching Assistant, ASTR 110: Lab, University of Hawai'i	2016
Teaching Assistant, ASTR 110: Lecture, University of Hawai'i	2016
Teaching Assistant, ICSI 124X: Lecture, SUNY Albany	2013, 2014

## Press Coverage

Kepler's First Exoplanet Discovery [Chontos et al. 2019]: The discovery was announced during my talk at Kepler SciCon V, which included a coordinated press release between [NASA] and [UH]. Articles featuring the science result included [CNN], [Space.com], [Universe Today], [Science News], and many others. The story made the front page of the main [Hawaiian newspaper] as well as my [hometown newspaper]. I was also invited as a guest speaker to talk about the planet on live [Hawai'i public radio].

### AWARDED TELESCOPE TIME & OBSERVING EXPERIENCE

PI, 16 nights over 4 semesters using HIRES on Keck I 10m Telescope	2019-present
Exoplanets Orbiting Subgiants: Benchmark Systems with TESS	
Co-Is: Daniel Huber, Andrew Howard, Howard Isaacson, Lauren Weiss	
Co-I, 4 nights in 2019B using HIRES on Keck I 10m Telescope	2018
The TESS-Keck Survey of Exoplanets Orbiting Asteroseismic Host Stars	
PI: Daniel Huber; Co-Is: Andrew Howard, Howard Isaacson, Lauren Weiss	
Co-I, 0.5 night in 2019B using HIRES on Keck I 10m Telescope	2018
Spin-Orbit Alignment in Kepler's First Exoplanet System	
PI: Daniel Huber; Co-I: Teruyuki Hirano	
Observer, 60 nights on Keck/HIRES through the California Planet Search	2018-present
Observer, 5 nights on Gemini South/GPI through the GPI Exoplanet Survey	2015

## SELECTED PEER-REVIEWED PUBLICATIONS [NASA ADS]

- 38 total: 4 first author and 11 with significant contributions, h-index=13, total citations~426 Chontos, A., Sayeed, M. and Huber, D., "pySYD: Automated Measurements of Global Asteroseismic Parameters," *JOSS*, in review. [NASA ADS]
  - Chontos, A., et al., "The TESS-Keck Survey: Science Goals and Target Selection," in review (with favorable referee report). [NASA ADS]
  - Chontos, A., Huber, D., Kjeldsen, H., et al., "TESS Asteroseismology of  $\alpha$  Mensae: Benchmark Ages for a G7 Dwarf and its M-dwarf Companion," ApJ, 922, 229 (2021). [NASA ADS]
  - Guerrero et al. [including **Chontos**, **A.**,], "The TESS Objects of Interest Catalog from the TESS Prime Mission," ApJSS, **254**, 39 (2021). [NASA ADS]
  - Huber, D., Chaplin, W., Chontos, A., et al., "A Hot Saturn Orbiting an Oscillating Late Subgiant Discovered by TESS," AJ, 157, 245 (2019). [NASA ADS]
  - **Chontos, A.,** Huber, D., Latham, D., et al., "The Curious Case of KOI 4: Confirming Kepler's First Exoplanet Detection," AJ, 157, 192 (2019). [NASA ADS]

## REFERENCES

#### Dr. Daniel Huber

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#### Dr. Sara Seager

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Professor of Physics

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#### Dr. Andrew Howard

Professor of Astronomy

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#### Dr. Stephen Kane

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Professor of Planetary Astrophysics Professor of Physics and Astronomy University of California, Riverside

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