

ASHLEY CHONTOS

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EDUCATION

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| Ph.D., Astronomy, University of Hawai'i at Mānoa | 2022 |
| Thesis: <i>The Space Photometry Revolution</i> | |
| Advisor: Daniel Huber | |
| M.Sc., Astronomy, University of Hawai'i at Mānoa | 2018 |
| B.Sc., Mathematics, <i>Summa Cum Laude</i> , SUNY Albany | 2016 |
| B.Sc., Physics, <i>Summa Cum Laude</i> , SUNY Albany | 2016 |

PROFESSIONAL EMPLOYMENT

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| <i>Henry Norris Russell Fellow</i> , Princeton | 2022– <i>present</i> |
| <i>Visiting Research Scientist</i> , TESS Science Office, MIT | 2019–2022 |
| <i>NSF Graduate Research Fellow</i> , UH Mānoa | 2018–2022 |
| <i>Research Assistant</i> , UH Mānoa | 2017–2018 |
| <i>Research Assistant</i> , NASA Goddard Space Flight Center | 2016 |
| <i>Research Assistant</i> , Stanford | 2015–2016 |

RESEARCH INTERESTS

Asteroseismology; exoplanet detection and characterization; subgiant demographics; software development; stellar evolution; space telescopes; astronomical surveys; computational astrophysics.

SELECTED HONORS & AWARDS

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| Student Excellence in Research Award, UH Mānoa | 2022 |
| Henry Norris Russell Postdoctoral Fellowship, Princeton | 2021 |
| IfA Director's Award for Outstanding Outreach, UH Mānoa | 2019 |
| Achievement Reward for College Scientists (ARCS) Scholar, UH Mānoa | 2019 |
| National Science Foundation Graduate Research Fellowship | 2018 |
| IfA Director's Award for Outstanding Outreach, UH Mānoa | 2017 |
| John C. Mather Nobel Scholar Award, NASA Goddard Space Flight Center | 2016 |

SELECTED TALKS

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| <i>Invited Colloquium</i> , University of Kansas | April 2022 |
| <i>Invited Seminar</i> , Princeton Exoplanets | February 2022 |
| <i>Invited Seminar</i> , Stanford KIPAC Tea Talk | November 2021 |
| <i>Invited Seminar</i> , UChicago Exoplanet Journal Club | September 2021 |
| <i>Invited Seminar</i> , Carnegie EPL Astronomy Seminar | September 2021 |
| <i>Invited Seminar</i> , MIT TESS Science Talk | September 2021 |
| <i>Invited Seminar</i> , The Good Vibrations Seminar | February 2021 |
| <i>Invited Seminar</i> , Yale Exoplanets & Stars Seminar | September 2020 |
| <i>Contributed Talk</i> , Exoplanets III | July 2020 |
| <i>Contributed Talk</i> , TESS Asteroseismic Science Consortium V | July 2019 |
| <i>Contributed Talk</i> , TESS Science Conference I | July 2019 |
| <i>Contributed Talk</i> , Kepler/K2 SciCon V | March 2019 |
| <i>Contributed Talk</i> , TESS Asteroseismic Science Consortium IV | July 2018 |
| <i>Invited Seminar</i> , Columbia Astronomy Seminar | October 2017 |

TEACHING, SERVICE & LEADERSHIP

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| <i>Mentor</i> for high school students through HI STAR | 2017– <i>present</i> |
| <i>Astronomy Graduate Outreach Coordinator & Volunteer</i> | 2016–2020 |
| Selected Events: | |
| · Punahou Speaker Series (Oahu, HI) | 2018– <i>present</i> |
| · 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 |
| <i>Teaching Assistant</i> , ASTR 110: Lab, University of Hawai'i | 2016 |
| <i>Teaching Assistant</i> , ASTR 110: Lecture, University of Hawai'i | 2016 |
| <i>Teaching Assistant</i> , 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

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| <i>PI</i> , 16 nights over 4 semesters using HIRES on Keck I 10m Telescope | 2019– <i>present</i> |
| <i>Exoplanets Orbiting Subgiants: Benchmark Systems with TESS</i> | |
| Co-Is: Daniel Huber, Andrew Howard, Howard Isaacson, Lauren Weiss | |
| <i>Co-I</i> , 4 nights in 2019B using HIRES on Keck I 10m Telescope | 2018 |
| <i>The TESS-Keck Survey of Exoplanets Orbiting Asteroseismic Host Stars</i> | |
| PI: Daniel Huber; Co-Is: Andrew Howard, Howard Isaacson, Lauren Weiss | |
| <i>Co-I</i> , 0.5 night in 2019B using HIRES on Keck I 10m Telescope | 2018 |
| <i>Spin-Orbit Alignment in Kepler's First Exoplanet System</i> | |
| PI: Daniel Huber; Co-I: Teruyuki Hirano | |
| <i>Observer</i> , 74 nights on Keck/HIRES through the CPS & TKS collaborations | 2018– <i>present</i> |
| <i>Observer</i> , 5 nights on Gemini South/GPI through the GPI Exoplanet Survey | 2015 |

SELECTED PEER-REVIEWED PUBLICATIONS [NASA ADS]

45 total: 4 first author and 16 with significant contributions, h-index=15, total citations~660

- Chontos, A.**, Sayeed, M. and Huber, D., “pySYD: Automated Measurements of Global Asteroseismic Parameters,” *JOSS*, *in review*. [NASA ADS]
- Chontos, A.**, Murphy, J., MacDougall, M., et al., “The TESS-Keck Survey: Science Goals and Target Selection,” *AJ*, **163**, 297 (2022). [NASA ADS]
- Chontos, A.**, Huber, D., Kjeldsen, H., et al., “TESS Asteroseismology of α 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]