

ASHLEY CHONTOS

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EDUCATION

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| Ph.D., Astronomy, University of Hawai'i at Mānoa Thesis: <i>The Space Photometry Revolution</i> Advisor: Daniel Huber | 2022 |
| 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> , 85 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 |

REFERENCES

Dr. Daniel Huber

Professor of Astronomy
University of Hawai'i at Mānoa
Email: huberd@hawaii.edu
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Dr. Sara Seager

Class of 1941 Professor of Planetary Science
Professor of Aeronautics and Astronautics
Professor of Physics
Massachusetts Institute of Technology
Email: seager@mit.edu
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Dr. Andrew Howard

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California Institute of Technology
Email: ahoward@caltech.edu
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Dr. Stephen Kane

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Professor of Planetary Astrophysics
Professor of Physics and Astronomy
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