

Samuel Yee

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Research Interests	Hot Jupiters – formation and evolution Exoplanet discovery and statistics Planetary dynamics	
Education	Princeton University Ph.D., Astrophysics (<i>expected 2023</i>); M.Sc., Astrophysics Advisor: Josh Winn	Princeton, NJ 09/2018 – present
	California Institute of Technology B.S., Physics and Geological and Planetary Sciences (Minor)	Pasadena, CA 09/2014 - 06/2018
Awards	Princeton University Centennial Fellowship George W. Housner Prize for Academic Excellence and Original Research Best Poster, Know Thy Star Conference	2018 – 2023 2018 2017
Publications [ADS]	<ol style="list-style-type: none">7. Yee, S. W., Winn, J., Hartman, J., et al. <i>The TESS Grand Unified Hot Jupiter Survey I. Ten TESS Planets</i>. AJ submitted (2022).6. Yee, S. W., Winn, J., Hartman, J. <i>How Complete Are Surveys for Nearby Transiting Hot Jupiters?</i> AJ, 162, 240 (2021).5. Yee, S. W., Tamayo, D., Hadden, S. & Winn, J. <i>How Close are Compact Multi-Planet Systems to the Stability Limit?</i> AJ, 162, 55 (2021).4. Yee, S. W., Winn, J., et al. <i>The Orbit of WASP-12b is Decaying</i>. ApJL, 888, L5 (2020).3. Yee, S. W., Petigura, E., et al. <i>HAT-P-11: Discovery of a Second Planet and a Clue to Understanding Exoplanet Obliquities</i>. AJ, 155, 255 (2018).2. Petigura, E. et al., incl Yee, S. W. <i>Planet Candidates from K2 Campaigns 5-8 and Follow-up Optical Spectroscopy</i>. AJ, 155, 21 (2018).1. Yee, S. W., Petigura, E. & von Braun, K. <i>Precision Stellar Characterization of FGKM Stars using an Empirical Spectral Library</i>. ApJ, 836, 77 (2017).	
Observing Proposals	The TESS Grand Unified Hot Jupiter Survey (PI) CTIO1.5m/CHIRON – 5.9 nights (NOAO); MINERVA-Australis – 1.5 nights (NOAO); WIYN/NEID – 2.3 nights (NOAO); Keck I/HIRES – 1.5 nights (NOAO); Magellan/PFS – 2 nights (Princeton)	2022A
	The TESS Grand Unified Hot Jupiter Survey (PI) CTIO1.5m/CHIRON – 5 nights (NOAO); WIYN/NEID – 2 nights (NOAO); Keck I/HIRES – 0.5 nights (NOAO); Magellan/PFS – 2 nights (Princeton)	2021B
Presentations	AAS Division of Dynamical Astronomy Meeting 52, online (<i>contributed talk</i>) AAS General Meeting 235, Honolulu, HI (<i>poster</i>) Exoplanets & Planet Formation, Shanghai, China (<i>poster</i>) Know thy Star, Pasadena, CA (<i>poster</i>)	May 2021 Jan 2020 Dec 2017 Sep 2017
Teaching	Assistant in Instruction AST 205, Planets in the Universe	Princeton Sep 2019 – Jan 2020

Teaching Assistant	Caltech
<i>Ph 12c, Statistical Mechanics</i>	Mar 2018 – Jun 2018
<i>Ph 12b, Quantum Mechanics</i>	Jan 2018 – Mar 2018
Peer Tutor	Caltech, 2016 – 2018

Professional Activities	Virtual Organizing Committee, <i>Emerging Researchers in Exoplanet Science (ERES) V</i>	2021
	Referee, <i>AAS Journals</i> , <i>Monthly Notices of the Royal Astronomical Society</i>	

Code	Bhatti, W., Bouma, L., & Yee, S. W. <i>cdips-pipeline: difference-imaging photometry pipeline</i>
	Yee, S. W. , Petigura, E., von Braun, K. <i>SpecMatch-Emp: stellar characterization using an empirical spectral library</i>

Outreach & Service	<i>Princeton Public Observing</i> : Organized and hosted members of the public at observing events using the Princeton department telescope, giving talks and answering questions.
	<i>Graduate Student Mentorship Program</i> , Princeton University