

# Samuel Yee

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Research Interests	Hot Jupiters – formation and evolution Exoplanet discovery and statistics Planetary dynamics	
Education	<b>Princeton University</b> Ph.D., Astrophysics ( <i>expected 2023</i> ); M.Sc., Astrophysics Advisor: Josh Winn	Princeton, NJ 09/2018 – present
	<b>California Institute of Technology</b> 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 <a href="#">[ADS]</a>	<ol style="list-style-type: none"><li>6. <b>Yee, S. W.</b>, Winn, J., Hartman, J. <i>How Complete Are Surveys for Nearby Transiting Hot Jupiters?</i> AJ accepted (2021).</li><li>5. <b>Yee, S. W.</b>, Tamayo, D., Hadden, S. &amp; Winn, J. <i>How Close are Compact Multi-Planet Systems to the Stability Limit?</i> AJ, 162, 55 (2021).</li><li>4. <b>Yee, S. W.</b>, Winn, J., et al. <i>The Orbit of WASP-12b is Decaying.</i> ApJL, 888, L5 (2020).</li><li>3. <b>Yee, S. W.</b>, 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).</li><li>2. Petigura, E. et al., incl <b>Yee, S. W.</b> <i>Planet Candidates from K2 Campaigns 5-8 and Follow-up Optical Spectroscopy.</i> AJ, 155, 21 (2018).</li><li>1. <b>Yee, S. W.</b>, Petigura, E. &amp; von Braun, K. <i>Precision Stellar Characterization of FGKM Stars using an Empirical Spectral Library.</i> ApJ, 836, 77 (2017).</li></ol>	
Observing Proposals	CTIO1.5m/CHIRON – 5 nights (PI) WIYN/NEID – 2 nights (PI) Keck I/HIRES – 0.5 nights (PI) Magellan/PFS – 2 nights (PI)	NOAO 2021B NOAO 2021B NOAO 2021B 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	<b>Assistant in Instruction</b> <i>AST 205, Planets in the Universe</i> <b>Teaching Assistant</b> <i>Ph 12c, Statistical Mechanics</i> <i>Ph 12b, Quantum Mechanics</i> <b>Peer Tutor</b>	Princeton Sep 2019 – Jan 2020 Caltech Mar 2018 – Jun 2018 Jan 2018 – Mar 2018 Caltech, 2016 – 2018

Professional Activities	Virtual Organizing Committee, <i>Emerging Researchers in Exoplanet Science (ERES) V</i> 2021 Referee, <i>Astrophysical Journal</i> , <i>Monthly Notices of the Royal Astronomical Society</i>
Code	Bhatti, W., Bouma, L., & <b>Yee, S. W.</b> <i>cdips-pipeline: difference-imaging photometry pipeline</i> <b>Yee, S. W.</b> , 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