

Sal Wanying Fu

CONTACT INFORMATION	Email: swfu@berkeley.edu Website: http://swfu.github.io ORCID: https://orcid.org/0000-0003-2990-0830	
RESEARCH INTERESTS	Near-field cosmology, satellite galaxies, photometric metallicities, Galactic dynamics, stellar streams, stellar halos, chemical evolution, large surveys	
EDUCATION	Ph.D in Astrophysics, UC Berkeley , Berkeley, CA PD Soros Fellow, NSF Graduate Research Fellow & Cranor Fellow Advisor: Prof. Daniel R. Weisz	August 2019-present
	B.A. Physics, Pomona College , Claremont, CA Academic advisors: Prof. Jorge Moreno, Prof. Philip Choi Research advisors: Dr. Joshua D. Simon, Dr. Gwen C. Rudie Thesis: <i>Small-Scale Tests of ΛCDM Cosmology</i>	May 2019
RESEARCH APPOINTMENTS	Graduate Student Researcher , UC Berkeley	Aug 2019-Present
	Undergraduate Research Intern , Carnegie Observatories	June 2016-Aug 2019
	Undergraduate Research Assistant , Pomona College	Spring 2016
PUBLICATIONS	S. W. Fu, J. D. Simon, et al. 2019. <i>Dynamical Histories of the Crater II and Hercules Dwarf Galaxies</i>, ApJ, 883, 11	
	S. W. Fu, J. D. Simon, et al. 2018. <i>The Origin of the 300 km s⁻¹ Stream Near Segue 1</i>, ApJ, 866, 42	
PRESENTATIONS	S. W. Fu , J. D. Simon, and D. R. Weisz. November 2019. <i>Dynamical History of the Crater II Dwarf Galaxy</i> . Contributed talk to the “Local Local Group” Meeting at KIPAC in Stanford, CA.	
	S. W. Fu , J. D. Simon, and D. R. Weisz. June 2019. <i>Dynamical History of the Crater II Dwarf Galaxy</i> . Contributed talk to the “Science in Our Own Backyard: Exploring the Galaxy and the Local Group with WFIRST” conference in Pasadena, CA.	
	S. W. Fu, J. D. Simon, et al. 2019. <i>Dynamical Histories of the Crater II and Hercules Dwarf Galaxies</i>. Poster presentation at 233rd AAS Meeting in Seattle, WA	
	J. D. Simon, S. W. Fu, et al. 2019. <i>The Nature of the Peculiar Milky Way Satellite Sagittarius II</i>. iPoster presentation at 233rd AAS Meeting in Seattle, WA	
	Sobeck J., ... S. W. Fu , et al. 2019. <i>An Examination of the APOGEE-2 Survey Data for the Draco Dwarf Spheroidal Galaxy</i> . Poster presentation at 233rd AAS Meeting in Seattle, WA	
	W. Fu, J. D. Simon, et al. <i>Characterizing the 300 km/s Stream Near Segue 1</i>. Poster presentation at 231st AAS Meeting in Washington, D.C.	
	W. Fu, J. D. Simon, et al. <i>A Study of Low-Metallicity Red Giant Stars in the Ursa Minor Dwarf Spheroidal Galaxy Using APOGEE Survey Data</i>. Poster Presentation at the 229th AAS Meeting in Grapevine, TX	

TELESCOPE ALLOCATIONS	HST/WFC3, HST/ACS imaging; GO-16229, 23 orbits (PI) Magellan/MIKE High-Resolution Spectroscopy, 3 Nights (Co-I)	
AWARDS	Paul & Daisy Soros Fellowship for New Americans Hertz Fellowship Finalist NSF Graduate Research Fellowship , National Science Foundation Cranor Fellowship , UC Berkeley Astrophysics Barry M. Goldwater Scholar , Barry M. Goldwater Scholarship and Excellence in Education Foundation Tileston Junior Physics Prize Pomona College Department of Physics and Astronomy Inaugural FUTURE of Physics at Caltech Cohort Pomona College Scholar , Pomona College Tileston Sophomore Physics Prize Pomona College Department of Physics and Astronomy Moncrief Astronomy Prize Pomona College Department of Physics and Astronomy	2020 2020 2019 2019 2018 Nov 2018 Nov 2018 Jun 2016-Jun 2019 Jan 2018 Sep 2016
TEACHING	UC Berkeley (Fall 2019-present) Ay160: Stellar Physics, Graduate Student Instructor Pomona College (Spring 2016-Spring 2019) PHYS128: Electronics (with community partnership) — Mentor ASTR101: Observational Astronomy — Mentor & Lab TA ASTR51: Introductory Astronomy — Mentor ASTR101: Observational Astronomy — Mentor & Lab TA ASTR51: Introductory Astronomy — Mentor PHYS70: Spacetime, Quanta and Entropy — Mentor & Lab TA ASTR2: Galaxies and Cosmology — Lab TA	Fall 2019 Spring 2019 Fall 2018 Spring 2018 Fall 2017 Spring 2017 Fall 2016 Spring 2016
SERVICE	Community Partnership With Fremont Academy Femineers Physics Department Liaison Physics Cohort Program Organizer Carnegie Summer Student Program Student Leader Community Partnership With Fremont Academy Femineers Carnegie Summer Student Program Student Leader Social Justice in STEM Reading Group Co-Organizer	Jan 2019-May 2019 Jan 2016-May 2019 Jan 2016-May 2019 Jun 2018-Aug 2018 Mar 2018-May 2018 Jun 2017-Aug 2017 Jan 2017-May 2017
PROFESSIONAL SOCIETY MEMBERSHIPS	Phi Beta Kappa American Astronomical Society , Junior Member Sigma Xi Scientific Research Honor Society , Associate Member	May 2019-Present Sep 2016-Present Sep 2018-Present
PROFESSIONAL REFERENCES		

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