

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, Galactic dynamics, stellar streams, stellar halos, chemical evolution, large surveys	
EDUCATION	Ph.D in Astrophysics, UC Berkeley , Berkeley, CA NSF Graduate Research Fellow & Cranor Fellow Advisor: Prof. Dan 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> GPA: 11.636/12	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. <i>Dynamical Histories of the Crater II and Hercules Dwarf Galaxies</i> , accepted to ApJ. arXiv:1901.00594	
	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. 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	Magellan/MIKE High-Resolution Spectroscopy, 3 Nights (Co-I)	

AWARDS	NSF Graduate Research Fellowship , National Science Foundation		2019
	Cranor Fellowship , UC Berkeley Astrophysics		2019
	Barry M. Goldwater Scholar , Barry M. Goldwater Scholarship and Excellence in Education Foundation		2018
	Tileston Junior Physics Prize Pomona College Department of Physics and Astronomy		Nov 2018
	Inaugural FUTURE of Physics at Caltech Cohort Pomona College Scholar, Pomona College		Nov 2018 Jun 2016-Jun 2019
	Tileston Sophomore Physics Prize Pomona College Department of Physics and Astronomy		Jan 2018
	Moncrief Astronomy Prize Pomona College Department of Physics and Astronomy		Sep 2016
TEACHING	UC Berkeley (Fall 2019-present) Ay160: Stellar Physics, Graduate Student Instructor		Fall 2019
	Pomona College (Spring 2016-Spring 2019) PHYS128: Electronics (with community partnership) — Mentor		Spring 2019
	ASTR101: Observational Astronomy — Mentor & Lab TA		Fall 2018
	ASTR51: Introductory Astronomy — Mentor		Spring 2018
	ASTR101: Observational Astronomy — Mentor & Lab TA		Fall 2017
	ASTR51: Introductory Astronomy — Mentor		Spring 2017
	PHYS70: Spacetime, Quanta and Entropy — Mentor & Lab TA		Fall 2016
	ASTR2: Galaxies and Cosmology — Lab TA		Spring 2016
SERVICE	Community Partnership With Fremont Academy Femineers		Jan 2019-May 2019
	Physics Department Liaison		Jan 2016-May 2019
	Physics Cohort Program Organizer		Jan 2016-May 2019
	Carnegie Summer Student Program Student Leader		Jun 2018-Aug 2018
	Community Partnership With Fremont Academy Femineers		Mar 2018-May 2018
	Carnegie Summer Student Program Student Leader		Jun 2017-Aug 2017
	Social Justice in STEM Reading Group Co-Organizer		Jan 2017-May 2017
PROFESSIONAL SOCIETY MEMBERSHIPS	American Astronomical Society , Junior Member		Sep 2016-Present
	Sigma Xi Scientific Research Honor Society , Associate Member		Sep 2018-Present
PROFESSIONAL REFERENCES			
	Dr. Daniel R. Weisz Assistant Professor, UC Berkeley dan.weisz@berkeley.edu		Dr. Joshua D. Simon Staff Scientist, Carnegie Observatories jsimon@carnegiescience.edu
	Dr. Gwen C. Rudie Staff Scientist, Carnegie Observatories gwen@carnegiescience.edu		Prof. Jorge Moreno Assistant Professor, Pomona College jorge.moreno@pomona.edu
	Prof. Philip Choi Associate Professor, Pomona College philip.choi@pomona.edu		