

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 PD Soros Fellow, NSF Graduate Research Fellow & Cranor Fellow Advisor: Prof. Daniel R. Weisz 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	August 2019-present May 2019
RESEARCH APPOINTMENTS	Graduate Student Researcher , UC Berkeley Undergraduate Research Intern , Carnegie Observatories Undergraduate Research Assistant , Pomona College	Aug 2019-Present June 2016-Aug 2019 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 AWARDS	Magellan/MIKE High-Resolution Spectroscopy, 3 Nights (Co-I)	
	Paul & Daisy Soros Fellowship for New Americans	2020
	Hertz Fellowship Finalist	2020
	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	Nov 2018
	Pomona College Scholar , Pomona College	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	Phi Beta Kappa	May 2019-Present
	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	

