

## Sal Wanying Fu

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CONTACT INFORMATION	Email: swfu@berkeley.edu Website: <a href="http://swfu.github.io">http://swfu.github.io</a> ORCID: <a href="https://orcid.org/0000-0003-2990-0830">https://orcid.org/0000-0003-2990-0830</a>	
RESEARCH INTERESTS	Near-field cosmology, satellite galaxies, Galactic dynamics, stellar streams, stellar halos, chemical evolution, large surveys	
EDUCATION	<b>Ph.D in Astrophysics, UC Berkeley</b> , Berkeley, CA NSF Graduate Research Fellow & Cranor Fellow Advisor: Prof. Dan Weisz	August 2019-present
	<b>B.A. Physics, Pomona College</b> , 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 <math>\Lambda</math>CDM Cosmology</i> GPA: 11.636/12	May 2019
RESEARCH APPOINTMENTS	<b>Graduate Student Researcher</b> , UC Berkeley	Aug 2019-Present
	<b>Undergraduate Research Intern</b> , Carnegie Observatories	June 2016-Aug 2019
	<b>Undergraduate Research Assistant</b> , Pomona College	Spring 2016
PUBLICATIONS	<b>S. W. Fu</b> , J. D. Simon, et al. 2019. <i>Dynamical Histories of the Crater II and Hercules Dwarf Galaxies</i> , ApJ, 883, 11	
	<b>S. W. Fu</b> , J. D. Simon, et al. 2018. <i>The Origin of the 300 km s<sup>-1</sup> Stream Near Segue 1</i> , ApJ, 866, 42	
PRESENTATIONS	<b>S. W. Fu</b> , 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.	
	<b>S. W. Fu</b> , 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, <b>S. W. Fu</b> , 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., ... <b>S. W. Fu</b> , 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	
	<b>W. Fu</b> , 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.	
	<b>W. Fu</b> , 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	<b>Magellan/MIKE</b> High-Resolution Spectroscopy, 3 Nights (Co-I)	

AWARDS	<b>NSF Graduate Research Fellowship</b> , National Science Foundation		2019
	<b>Cranor Fellowship</b> , UC Berkeley Astrophysics		2019
	<b>Barry M. Goldwater Scholar</b> , Barry M. Goldwater Scholarship and Excellence in Education Foundation		2018
	<b>Tileston Junior Physics Prize</b> Pomona College Department of Physics and Astronomy		Nov 2018
	<b>Inaugural FUTURE of Physics at Caltech Cohort</b> Pomona College Scholar, Pomona College		Nov 2018 Jun 2016-Jun 2019
	<b>Tileston Sophomore Physics Prize</b> Pomona College Department of Physics and Astronomy		Jan 2018
	<b>Moncrief Astronomy Prize</b> Pomona College Department of Physics and Astronomy		Sep 2016
TEACHING	<b>UC Berkeley (Fall 2019-present)</b> Ay160: Stellar Physics, Graduate Student Instructor		Fall 2019
	<b>Pomona College (Spring 2016-Spring 2019)</b> 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	<b>American Astronomical Society</b> , Junior Member		Sep 2016-Present
	<b>Sigma Xi Scientific Research Honor Society</b> , 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		