

## EDUCATION

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<b>University of California, Davis</b> Ph.D. in Physics, Advisor: Andrew Wetzel	2015–Current
<b>Florida International University</b> B.S. in Physics	2011–2015

## SCHOLARSHIPS AND AWARDS

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• McNair Graduate Fellow	2015–2016
• McNair Scholar	2014–2015

## PUBLICATIONS

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- [1] **J. Samuel**, A. Wetzel, S. Chapman, E. Tollerud, P. F. Hopkins, M. Boylan-Kolchin, J. Bailin, and C.-A. Faucher-Giguère, “Planes of satellites around Milky Way/M31-mass galaxies in the FIRE simulations and comparisons with the Local Group”, *arXiv e-prints*, Oct. 2020. arXiv: 2010.08571 [astro-ph.GA].
- [2] **J. Samuel**, A. Wetzel, E. Tollerud, S. Garrison-Kimmel, S. Loebman, K. El-Badry, P. F. Hopkins, M. Boylan-Kolchin, C.-A. Faucher-Giguère, J. S. Bullock, S. Benincasa, and J. Bailin, “A profile in FIRE: resolving the radial distributions of satellite galaxies in the Local Group with simulations”, *MNRAS*, vol. 491, no. 1, pp. 1471–1490, Jan. 2020.
- [3] S. Garrison-Kimmel, A. Wetzel, P. F. Hopkins, R. Sanderson, K. El-Badry, A. Graus, T. K. Chan, R. Feldmann, M. Boylan-Kolchin, C. C. Hayward, J. S. Bullock, A. Fitts, **J. Samuel**, C. Wheeler, D. Kereš, and C.-A. Faucher-Giguère, “Star formation histories of dwarf galaxies in the FIRE simulations: dependence on mass and Local Group environment”, *MNRAS*, vol. 489, no. 4, pp. 4574–4588, Nov. 2019.

## TALKS

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<i>Predictions for satellite galaxy distributions around Milky Way analogs with NGRST</i> Galaxy Formation and Evolution in the Era of the Nancy Grace Roman Space Telescope, STScI	2020
<i>Spatial and kinematic coherence of MW/M31 satellites in the FIRE simulations</i> UC Davis Astrophysics Symposium & Bay Area Local Group Meeting	2019

## POSTERS

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<i>The Distribution of Satellite Galaxies around MW/M31-mass Hosts in the FIRE Simulations</i> STSci Symposium - The Local Group: Assembly & Evolution	2020
<i>The spatial distribution of satellite galaxies around MW/M31-mass hosts in the FIRE simulations</i> Santa Cruz Galaxy Workshop	2019

## OBSERVING

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- 2 nights, Lick Observatory/KAST 2020  
*Completing the census of M106 satellite galaxies*  
**PI: Jenna Samuel**
- 48 orbits, Hubble Space Telescope General Observer Program (Cycle 28) 2020  
*Andromeda & the Seven Dwarfs: M31 Mass, Satellite Orbits, & the Nature of the Satellite Plane*  
PI: Tony Sohn

## TEACHING

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- **Instructor** at University of California, Davis Spring 2020  
*Intro Physics (PHY1B)* Remote learning online curriculum and lectures for large lecture course.
- **Teaching Assistant** at University of California, Davis 2016–2019  
Astronomy, physics, and math methods courses and labs.
- **Learning Assistant** at Florida International University 2012–2015  
Modern physics labs with data analysis, and intro physics labs.

## SERVICE AND OUTREACH

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- **Leader** at Diversity and Inclusion in Physics 2017–Current  
*Facilitate weekly meetings on equity issues in the department. Led creation of a peer-mentoring workshop series for students, advising guidelines for students and faculty, and departmental survey on DEI initiatives.*
- **Team Member** at APS-IDEA 2020-2021  
*APS Inclusion, Diversity, and Equity Alliance*
- **Graduate Student Representative** at Committee for Improving Graduate Education 2020-2021  
*Campus Graduate Studies program to plan and deliver seminars and guides on mental health, financial support, and mentorship.*
- **Panelist** at Graduate Physics/Astronomy Admissions Bootcamp 2019, 2020  
*Discuss applications, research, and expectations for graduate school.*
- **Mentor** at UC Davis Physics and Astronomy 2018, 2020  
*Mentor to first year graduate students.*
- **Speaker** at Davis Senior High School 2020  
*Galaxy Simulations and Life in Grad School*
- **Mentor** at Calbridge North 2019  
*Panelist and remote mentor.*
- **Participant** at Mentoring 101: From Introduction to Implementation 2019  
*Series of workshops covering selection of mentees, alignment and cultivation of mentorship, and communicating a mentoring philosophy.*
- **Speaker** at Astronomy on Tap, Davis 2019  
*Spacecraft of Apollo 11*
- **Organizer** at Astronomy on Tap, Davis 2018-2019  
*Put on free public talks, trivia, and Q&A once a month.*
- **Local Organizing Committee Member** at CUWiP 2019 2018-2019  
*Planned lodging, laboratory tours, transportation, and recruitment of 150 attendees for the Conference for Undergraduate Women in Physics held at UC Davis.*