

Jonathan Florez

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Education

UT Austin, Austin, TX

PhD in Astronomy, Expected: Summer 2021

Fisk University, Nashville, TN

M.A. in Physics, August 2015

Clemson University, Clemson, SC

B.S. in Physics, May 2013

Appointments

UT Austin, Austin, TX

- *NSF GRFP Fellow*, 2016-Present
- *Graduate Research Assistant*, 2015-2016

Fisk University, Nashville, TN

- *Graduate Research Assistant*, 2013-2015

University of Chicago, Chicago, IL

- *Research Assistant*, Summer 2014
- *REU Student*, Summer 2011

Clemson University, Clemson, SC

- *Lab Research Assistant*, 2013
- *Undergraduate Physics Tutor*, 2012

Columbia University, New York City, NY

- *REU Student*, Summer 2012

Fellowships/Grants

- NSF Graduate Research Fellowship Program (GRFP) Recipient, 2015

Publications

First Author:

- “Exploring the Connection Between AGN and Star Formation Activity at Cosmic Noon ($z\sim 1-3$)”, Florez et al. (in preparation)
- “Measuring the Properties of Void Galaxies in ECO Using RESOLVE”, Florez et al. (in preparation)

Coauthor:

- “Exploring the High-Mass End of the Stellar Mass Function with a Colossal Sample of Massive Star-Forming Galaxies at Cosmic Noon”, Sherman et al. (submitted to MNRAS)
- “The Spitzer-HETDEX Exploratory Large Area Survey. II. The Dark Energy Camera and Spitzer/IRAC Multiwavelength Catalog”, Wold et al. 2019 (ApJS, 240, 5)
- “Bridging Star-forming Galaxy and AGN Ultraviolet Luminosity Functions at $z=4$ with the SHELA Wide-Field Survey”, Stevans et al. 2018 (ApJ, 863, 63)
- “The RESOLVE Survey Atomic Gas Census and Environmental Influences on Galaxy Gas Reservoirs”, Stark et al. 2016 (ApJ, 832, 126)

Presentations

Invited Presentations:

- “Exploring the Connection Between AGN and Star Formation Activity at Cosmic Noon”, Accretion History of AGN Meeting – Talk (October 2018, Miami, FL)
- “Measuring the Properties of Void Galaxies in ECO Using RESOLVE”, RESOLVE Team Meeting – Talk (June 2018, Chapel Hill, NC)

Conferences:

- “How Accurately Can We Measure Galaxy Environment at High Redshift Using Only Photometric Redshifts?”, AAS 230th Meeting – Poster (June 2017, Austin, TX)
- “Measuring the Properties of Void Galaxies in Environment COntext (ECO) Using RESOLVE”, AAS 225th Meeting – Poster (June 2015, Seattle, WA)

Departmental:

- “Exploring AGN and SF Activity at Cosmic Noon ($z\sim 1-3$)”, UT ExGal Seminar - Talk (March 2018, Austin, TX)
- “Exploring Galaxy Growth as a Function of Mass and Environment at $z\sim 2$ ”, UT Second Year Qualifying Exam – Talk (May 2017, Austin, TX)
- “Measuring the Properties of Void Galaxies in ECO”, UT ExGal Seminar – Talk (March 2016, Austin, TX)
- “Exploring Galaxy Growth as a Function of Environment in the SHELA Fields at $z\sim 2-4$ ”, Bashfest Symposium – Poster (October 2017, Austin, TX)

Training and Development

CARMA, Big Pine, CA

- *CARMA 2014 Summer School Student, 08/2014*: Attended week-long summer program at CARMA that teaches students about observing with the CARMA interferometer array

Penn State University, State College, PA

- *Astro-statistics Summer School Student, 06/2014*: Two-week summer school focused on teaching statistical modeling for graduate students in astrophysics

Broader Impact and Outreach

UT Austin, Austin, TX

- *AWARE Mentorship Program Mentor, 2019-Present*: Mentoring two undergraduate students as part of mentorship program that pairs astronomy graduate students with astronomy undergraduate students
- *UT Girl Day, 02/2019*: Helped with activities on Girl Day 2019, an event where ~5,000 K-12 kids arrive to campus to interact with students and faculty from various STEM departments
- *UT Girl Day, 04/2018*: Helped with preparation of supplies and activities for Girl Day 2018
- *VENGA Teacher Workshop, 07/2016*: Gave talk about my research at the VENGAs Teacher Workshop at McDonald Observatory, a workshop designed to help middle and high school teachers across Texas develop methods for teaching astronomy to their students

Fisk University, Nashville, TN

- *Bridge Student Peer Mentor, 2014-2015*: Mentored a student coming into the Fisk University Bridge Program

Clemson University Planetarium, Clemson, SC

- *Planetarium Show Writer and Guide 2012-2013*: Wrote software for planetarium shows and gave presentations to general public

Honors/Awards

- 225th AAS Meeting Chambliss Poster Award, 2015
- Dean’s List, Clemson University, 2011-2013
- Intercultural Achievement Award, Clemson University, 2011-2013
- President’s List, Clemson University, 2012