

J. Sebastian Monzon

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EDUCATION

Ph.D. in Astronomy & Astrophysics

Yale University

New Haven, CT

Aug 2021 – present

M.S. in Philosophy & Astronomy

Yale University

New Haven, CT

Aug 2021 – May 2023

B.S. in Astronomy

University of California, Santa Cruz

Santa Cruz, CA

Sep 2015 - June 2019

RESEARCH POSITIONS

Ph.D Candidate, Yale University

Thesis Advisor: Prof. Frank van den Bosch

July 2022 - present

Graduate Research Rotations, Yale University

Advisor: Prof. Marla Geha

Aug 2021 - July 2022

Research Intern, NASA Ames

PIs: Dr. Naseem Rangwala, Dr. Sarah Nickerson

Feb 2020 - May 2021

Gemini/HST Cluster Project Intern, Gemini N. Observatory

PIs: Dr. Inger Jorgensen, Dr. Kristin Chiboucas

May 2020 - Sep 2020

USRA Research Assistant, NASA Ames

PI: Dr. Randolph Klein

June 2019 - Feb 2020

Undergraduate Researcher, UC Santa Cruz

Advisor: Prof. J. Xavier Prochaska

June 2017 - June 2019

PUBLICATIONS

Monzon, J. Sebastian; van den Bosch, Frank C.; Mitra, Kaustav “**Constraining the Stellar Halo Mass Relation with Surveys of Satellite Galaxies**”, (in prep.)

Monzon, J. Sebastian; Prochaska, J. Xavier; Lee, Khee-Gan; Chisholm, John “**Effective Opacity of the Intergalactic Medium from Galaxy Spectra Analysis**”, DOI:10.3847/1538-3881/ab94c2 (2021)

Nickerson, Sarah; Rangwala, Naseem; Colgan, Sean; DeWitt, Curtis; Monzon, J. Sebastian et al. “**The Mid-infrared Molecular Inventory toward Orion IRC2**”, DOI:10.3847/1538-4357/aca6e8 (2023)

Nickerson, Sarah; Monzon, J. Sebastian et al. “**SOFIA/EXES High Resolution Emission Line Spectra Toward Orion IRC2**”, (in prep.)

PRESENTATIONS

Galactic Frontiers: Dwarf Galaxies in the Local Volume and Beyond

oral presentation

July 2023

New York, New York

241st AAS Conference

poster presentation

Jan 2023

Seattle, Washington

SACNAS STEM Diversity Conference

oral presentation

Oct 2022

San Juan, Puerto Rico

NASA Ames Center-Wide Internship Presentations

oral presentation

Aug 2020

Mountain View, California

235th AAS Conference

poster presentation

Jan 2020

Honolulu, Hawaii

Revealing Cosmology and Reionization History with the IGM

poster presentation

Sep 2018

Tokyo, Japan

SERVICE & LEADERSHIP

AAS Committee for the Status of Minority Students in Astronomy (CSMA)	January 2024 - present
<ul style="list-style-type: none">• Serving on a graduate admissions task force• Participating in monthly committee meetings	
Yale's Astronomy Climate and Diversity Committee	Fall 2022 - present
<ul style="list-style-type: none">• Developing undergraduate workshops to maximise effectual access to research• Advising faculty about equitable practices concerning qualifying exams• Overseeing organizational tasks to keep the committee active and efficient	
Astronomy Graduate Congress (AGC)	Oct 2023 - present
<ul style="list-style-type: none">• Co-created a new organization of astronomy graduate students across the country• Developing projects and supporting initiatives that are in line with our mission statement	
YSACNAS Chapter	Dec 2023 - present
<ul style="list-style-type: none">• Acting chair of the professional development committee• Co-organized first ever Spanish Night at Public Observatory/Planetarium• Participating in monthly organizational meetings	
Graduate Student Assembly	Sep 2023 - June 2023
<ul style="list-style-type: none">• Participating in bi-weekly assemblies as the elected department delegate• Advising and reporting on issues concerning graduate student wages• Acting as channel of communication between faculty and graduate students	

TEACHING & MENTORING

• Yale Astronomy Research Preparation Seminar (Astro-RPS)	Sep 2024 - April 2024
• Yale Graduate Student Teaching Assistant	Aug 2021 - present
• Yale AstroSibs	Oct 2021 - present
• Mini Research Project for YSPA High School Student	Aug 2023 - Dec 2023
• UCSC Academic Excellence Program Co-leader	Aug 2018 - June 2019

AWARDS AND RECOGNITION

• Yale Teaching Innovation Project (TIP) Grant	2023
• Yale Gruber Science Fellow	2021
• UC Santa Cruz Senior Thesis Honors, Dean's Honors	2019
• Lamat REU Fellowship	2017, 2018