

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

Pls: Dr. Naseem Rangwala, Dr. Sarah Nickerson

Feb 2020 - May 2021

Gemini/HST Cluster Project Intern, Gemini N. Observatory

Pls: 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**”, (2024)

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

Santa Cruz Galaxy Workshop

oral presentation

August 2024

Santa Cruz, California

Dwarf Galaxies, Star Clusters and Stellar Streams

poster presentation

July 2024

Chicago, Illinois

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

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

- Serving on a graduate admissions task force
- Participating in monthly committee meetings

Yale's Astronomy Climate and Diversity Committee

Fall 2022 - present

- 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

- 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

- 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

- 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

• Diversity, Equity, Inclusion & Belonging Departmental Service Award

2024

• 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