

J. Sebastian Monzon

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EDUCATION

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| Ph.D. in Astronomy & Astrophysics <i>Yale University</i> | New Haven, CT Aug 2021 – present |
| M.S. in Philosophy & Astronomy <i>Yale University</i> | New Haven, CT Aug 2021 – May 2023 |
| B.S. in Astronomy <i>University of California, Santa Cruz</i> | Santa Cruz, CA Sep 2015 - June 2019 |

RESEARCH POSITIONS

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| Ph.D Candidate, Yale University <i>Thesis Advisor: Prof. Frank van den Bosch</i> | July 2022 - present |
| Graduate Research Rotations, Yale University <i>Advisor: Prof. Marla Geha</i> | Aug 2021 - July 2022 |
| Research Intern, NASA Ames <i>PIs: Dr. Naseem Rangwala, Dr. Sarah Nickerson</i> | Feb 2020 - May 2021 |
| Gemini/HST Cluster Project Intern, Gemini N. Observatory <i>PIs: Dr. Inger Jorgensen, Dr. Kristin Chiboucas</i> | May 2020 - Sep 2020 |
| USRA Research Assistant, NASA Ames <i>PI: Dr. Randolph Klein</i> | June 2019 - Feb 2020 |
| Undergraduate Researcher, UC Santa Cruz <i>Advisor: Prof. J. Xavier Prochaska</i> | 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**”, (submitted)
- 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

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| Santa Cruz Galaxy Workshop <i>oral presentation</i> | August 2024 Santa Cruz, California |
| Dwarf Galaxies, Star Clusters and Stellar Streams <i>poster presentation</i> | July 2024 Chicago, Illinois |
| Galactic Frontiers: Dwarf Galaxies in the Local Volume and Beyond <i>oral presentation</i> | July 2023 New York, New York |
| 241st AAS Conference <i>poster presentation</i> | Jan 2023 Seattle, Washington |
| NASA Ames Center-Wide Internship Presentations <i>oral presentation</i> | Aug 2020 Mountain View, California |
| 235th AAS Conference <i>poster presentation</i> | Jan 2020 Honolulu, Hawaii |
| Revealing Cosmology and Reionization History with the IGM <i>poster presentation</i> | Sep 2018 Tokyo, Japan |

SERVICE & LEADERSHIP

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| 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

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| • 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

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| • 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 |