

Curriculum Vitae/Resume

IRENE VARGAS-SALAZAR

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EMPLOYMENT

Private Choreographer Salsa Ardiente Dance Company <i>Baton Rouge, LA, USA</i>	November 2017 - February 2018
Spanish Interpreter Fluentis <i>Baton Rouge, LA, USA</i>	March 2018 - May 2018
Dance Teacher & Social Media Manager A2 Movimiento Latino <i>Ann Arbor, MI, USA</i>	August 2022 - Present

EDUCATION

University of Michigan , Rackham Graduate School <i>Ann Arbor, MI, USA</i> Advisor: Sally Oey Current Astronomy PhD-Candidate	August 2020 - Present
University of Michigan , Rackham Graduate School <i>Ann Arbor, MI, USA</i> Advisor: Sally Oey MS in Astronomy & Astrophysics	August 2018 - August 2020
Louisiana State University , College of Science <i>Baton Rouge, LA, USA</i> Advisor: Bradley E. Schaefer B. Sc. & Honors in Physics Concentration: Astronomy, Minor: French	August 2013 - May 2017

AWARDS, GRANTS & RECOGNITION

Rackham Predoctoral Fellowship	2023 - 2024
Rackham One-Term Dissertation Fellowship	2023
Puentes Latinx Research Week Poster Award	2022
University of Michigan DEI Champion Award	2020
University of Michigan Science Communications Fellow	2019
LSU Outstanding Thesis Award	2017
LSU Keen-Morris Prize (Outstanding Achievement in Physics, Senior Year)	2017
Dr. R. Greg Hussey Undergraduate Scholarship, Louisiana State University	2016 – 2017

TEACHING

Astronomy Graduate Student Instructor - University of Michigan
ASTR 105 - Winter 2019, Fall 2021, Winter 2022
ASTR 201 - Fall 2022
ASTR 127 - Head Instructor - Winter 2023

RESEARCH EXPERIENCE

Research Experience for Undergraduates Program at Smithsonian Astrophysical Observatory, Cambridge, MA Researcher	June 2016 – August 2016
Research Experience for Undergraduates Program at Texas A&M, College Station, TX Researcher	May 2015 – August 2015

PUBLICATIONS

M. S. Oey; N. Castro; M. Renzo; **I. Vargas-Salazar**; M. W. Suffak; M. Ratajczak; J. D. Monnier; M. K. Szymanski; G. D. Phillips; N. Calvet et al., 2023, ApJ, 947, 27, “Strong Variability in AzV 493, an Extreme Oe-type Star in the SMC”

Vargas-Salazar I., Oey M. S., Barnes J.-R., Chen X., Castro N., Kratter K. M., Faerber T. A., 2020, ApJ, 903, 1, “A Search for In-Situ Field OB Star Formation in the Small Magellanic Cloud”

Watson C., Tran K.-V., Tomczak A., Alcorn L., **Salazar I.V.**, Gupta A., Momcheva I., et al., 2019, ApJ, 874, 63, “Galaxy Merger Fractions in Two Clusters at $z \sim 2$ Using the Hubble Space Telescope”

Salazar, I. V., LeBleu, A., Schaefer, B. E., Landolt, A. U., and Dvorak, S., 2017, MNRAS, 469, 4116, “Accurate Pre- and Post-Eruption Orbital Periods for the Dwarf/Classical Nova V1017 Sgr”

Vargas-Salazar I., Battersby C., Walker D., Zhang Q., CMZoom, 2017, AAS, “The Dense Gas Fraction in the Central Molecular Zone in the Milky Way”

CONFERENCE POSTER PRESENTATIONS

3, 2, 1: Massive Triples, Binaries and Mergers (Leuven, Belgium)	July 2023
IAU 361: Massive Stars Near & Far (Ballyconnell, Cavan, Ireland)	May 2022
229th AAS Meeting (Grapevine, TX, USA)	January 2017
Conference of Undergraduate Women in Physics (Oxford, MS, USA)	January 2015
LSU Undergraduate Research Conference (Baton Rouge, LA, USA)	September 2015
Conference of Undergraduate Women in Physics (Baton Rouge, LA, USA)	January 2014

OUTREACH

Member of SGMA Committee of the AAS	August 2023 - Present
Interview with Radio La Explosiva from Detroit	April 2024
Astrobits Writer	2020 - 2023
ComSciCon en Español Conference Organizer	2020
University of Michigan Astronomy Anti-Racist Bookclub Organizer	2020 - 2022
University of Michigan Astronomy InterGayLactic Club (LGBTQ+ Group) Organizer	2020 - 2023
University of Michigan Museum of Natural History Planetarium Operator	2019 - Present
Astronomy on Tap Ann Arbor Social Media Manager	2019 - 2020
FEMMES Volunteer	2019, 2021
SACNAS Science Day Volunteer	2019
Conference of Undergraduate Women in Physics Volunteer for University of Michigan	2019

Spanish Translator, Michigan Science Writers

2018-2019