

## Curriculum Vitae

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### EDUCATION

**The University of Texas at Austin**, Austin, TX Aug 2014 – Aug 2021  
Ph. D. in Astronomy, Concentration in Teaching & Mentoring  
Advisor: Dr. Adam Kraus

**Wesleyan University**, Middletown, CT Aug 2011 – May 2013  
M. A. in Astronomy  
Thesis: *Searching for Spectral Signatures of the Hidden Secondary Component of BM Ori: Improved Spectroscopic Findings*  
Advisor: Dr. Seth Redfield

**California Institute of Technology**, Pasadena, CA Sept 2004 – June 2008  
B. S. in Astrophysics

### RESEARCH POSITIONS

**NSF MPS-Ascend Fellow**, UC Irvine Sept 2022 – Present  
**Postdoctoral Scholar**, S. Sallum, UC Irvine Sept 2021 – Aug 2022  
**Harrington Graduate Research Fellow**, UT Austin Sept 2014 – Aug 2021  
**NASA Earth & Space Sciences Fellow**, UT Austin Sept 2017 – Aug 2020  
**Research Assistant**, A. Kraus, UT Austin Aug 2014 – Aug 2021  
**Intern**, D. Padgett, NASA Goddard Space Flight Center June 2013 – June 2014  
**Research Assistant**, S. Redfield, W. Herbst, Wesleyan University Sept 2011 – May 2013

### FELLOWSHIPS, ACADEMIC HONORS & AWARDS

**NSF MPS-Ascend Postdoctoral Fellowship** Sept 2022 – Present  
Three year \$100,000 postdoctoral fellowship

**Robert Smith Davis and Lyall Pickett Davis Fellowship** April 2019  
\$1000 travel grant to attend Extreme Solar Systems IV in Reykjavic, Iceland

**UT Graduate School Professional Development Award** July 2018  
\$600 of travel support to attend Cool Stars 20 at Boston University

**Fred T. Goetting, Jr. Memorial Endowed Presidential Fellowship**, UT Austin Dept. of Astronomy 2017  
Recognizes a student for outstanding service to the department

**NASA Earth & Space Science Fellowship** Sept 2017 – Present  
Three year \$35,000 graduate fellowship

**Board of Visitors Graduate Student 2<sup>nd</sup> Year Defense Award**, UT Austin Dept. of Astronomy 2016  
Given in recognition for an outstanding Second Year defense of research to date

**AAS FAMOUS Travel Grant** Nov 2016  
\$500 of travel support to attend Winter AAS #229 in Grapevine, TX

**UT Graduate School Professional Development Award** Nov 2016  
\$800 of travel support to attend High-Contrast Imaging in Space Conference at STScI

<b>Frank N. Edmonds, Jr. Memorial Fellowship</b> , UT Austin Dept. of Astronomy	2015
Given to a second or third year student who shows strong promise in research	
<b>Donald D. Harrington Fellowship</b> , UT Austin Graduate School	Sept 2014 – Present
Three year \$36,000 graduate fellowship for the 1 <sup>st</sup> , 2 <sup>nd</sup> , and 5 <sup>th</sup> years	
<b>Littell Prize</b> , Wesleyan University	May 2013
For excellence in one or more advanced courses in astronomy	
<b>President's Scholar</b> , California Institute of Technology	Sept 2004 – June 2008
Four year full-tuition scholarship	

## SUCCESSFUL OBSERVING PROPOSALS

Hobby-Eberly Telescope: LRS2, 30.7 hours, (PI)	Dec 2016 – Dec 2018
Gemini North: GNIRS, 1.4 hours, (PI)	2019B
Keck-I: LRIS, 3 1/2 nights, (Co-I)	2021B, 2022AB
Keck-II: NIRSPAO, 3 1/2 nights, (Co-I)	2021B, 2022AB
<i>Hubble Space Telescope</i> : WFC3/UVIS, 26 orbits, (Co-I)	Cycle 28
<i>James Webb Space Telescope</i> : MIRI, NIRCам, NIRISS, NIRSpec (Collaborator)	Early Release Science

## PRESENTATIONS & PANELS

<b>AAS Division of Dynamical Astronomy</b> , Invited Speaker, Virtual	May 2021
<b>KIPAC Tea Talk</b> , Invited Speaker, Virtual	Dec 2020
<b>Carnegie EPL Seminar</b> , Invited Speaker, Virtual	Nov 2020
<b>Carnegie Observatories</b> , Invited Speaker, Virtual	Oct 2020
<b>JPL Exoplanet Journal Club</b> , Invited Speaker, Virtual	Oct 2020
<b>SACNAS National Diversity in STEM Conference</b> , Contributed Talk, Virtual	Oct 2020
<b>AAS #237</b> , Contributed Talk, Honolulu, HI	Jan 2020
<b>Brown Dwarf-Exoplanet Connection Workshop III</b> , Contributed Talk, Newark, DE	Oct 2019
<b>Center for Astrophysics Star &amp; Planets Seminar</b> , Invited Speaker, Cambridge, MA	Oct 2019
<b>Boston University</b> , Invited Speaker, Boston, MA	Oct 2019
<b>6<sup>th</sup> Annual GMT Community Science Meeting</b> , Contributed Talk, Honolulu, HI	Sept 2018
<b>Women in Astronomy IV</b> , Austin, TX	June 2017
Co-designer & Co-presenter of <i>Practicing Allyship: Recognizing and Confronting Macro/Microaggressions</i>	
Workshop with Brandon Bozek and Caitlin Casey	
<b>Dept. of Astronomy Board of Visitors Meeting</b> , Invited Speaker, UT Austin	Feb 2016
<b>Harrington Symposium</b> , Invited Speaker, Amarillo, TX	April 2015
<b>Harrington Fellows Program Board Meeting</b> , Invited Speaker, UT Austin	March 2015

## TEACHING EXPERIENCE & PUBLIC OUTREACH

<b>Astronomy on Tap Organizer and Co-Host</b> , Austin, TX	Jul 2016 – Mar 2019
<b>Girl Day STEM Festival Volunteer</b> , UT Austin	Feb 2016 – Present
<ul style="list-style-type: none"> <li>Coordinated UT Department of Astronomy involvement in event attended by &gt;5000 K-8 school-aged children</li> </ul>	
<b>AAS Astronomy Ambassador</b>	Jan 2017 – Present
<b>Astronomy on Tap Talk</b> , Austin, TX	May 2015, May 2016
<b>Smart Kids: Career Paths and Personal Journeys in Science</b> , Panelist, UT Austin	Mar 2018
<b>Teaching Assistant</b> , AST 364P <i>Planetary Systems</i> , UT Austin	Fall 2017
<b>CNS Science in the Public Square</b> , Panelist, UT Austin	Nov 2016
<b>Young Scientists' Day</b> , Travis Heights Elementary School	Nov 2016
<b>James Webb Space Telescope Exhibit Volunteer</b> , SXSW Gaming Expo	March 2015, 2016

<b>Teaching Assistant</b> , Wesleyan University	Fall 2011 – Spring 2013
• <i>Introductory Astronomy, Descriptive Astronomy, The Universe</i>	
<b>Outreach Volunteer</b> , Van Vleck Observatory, Wesleyan University	Fall 2011 – Spring 2013

## PROFESSIONAL DEVELOPMENT

<b>Institute for Scientist &amp; Engineer Educators Leadership by Design</b> , UCSC	2021
<b>Institute for Scientist &amp; Engineer Educators Professional Development Program</b> , UCSC	2017 – 2019
<b>Women in Astronomy IV</b> , Austin, TX	June 2017
<b>Inclusive Astronomy</b> , Vanderbilt University	June 2015

## PROFESSIONAL ACTIVITIES & ACADEMIC SERVICE

<b>Reviewer</b> , AAS Journals	2022 – Present
<b>Full Member</b> , American Astronomical Society	2022 – Present
<b>New Professional Member</b> , Society for Advancement of Chicanos/Hispanics and Native Americans in Science	2022 – Present
<b>Local Organizing Committee</b> , Bashfest Symposium, UT Austin	2017
<b>UT Austin Department of Astronomy Leadership Positions</b>	
CNS Dean's Council	Sept 2017 – April 2019
Equity & Inclusion Group, Co-Founder	Aug 2016 – Present
Graduate Student Representative	May 2016 – May 2017
UT Graduate Student Assembly Representative	Sept 2015 – May 2016
Association of Women in Astronomy Research and Education, Coordinator	2014 – Present
<b>Graduate Student Member</b> , Society for Advancement of Chicanos/Hispanics and Native Americans in Science	2016 – 2021
<b>Junior Member</b> , American Astronomical Society	2012 – 2021
<b>Representative</b> , Educational Policy Committee, Wesleyan University	Fall 2012 – Spring 2013
<b>Executive Committee</b> , Graduate Student Association, Wesleyan University	2012 – 2013

## PUBLICATIONS

*A Mid-Infrared Study of Directly-Imaged Planetary-Mass Companions us Archival Spitzer/IRAC Images*

**Martinez, R. A.**, Kraus, A. L. 2022, AJ, 163, 36

*Searching for Wide Companions and Identifying Circum(sub)stellar Disks Through PSF-fitting of Spitzer/IRAC Archival Images*

**Martinez, R. A.**, Kraus, A. L. 2019, AJ, 158, 134

*The JWST Early Release Science Program for the Direct Imaging and Spectroscopy of Exoplanetary Systems*

Hinkley, S. Carter, A. L., Ray, S., et al. (including **Martinez, R. A.**) 2022, accepted for publication in PASP

*TESS Hunt for Young and Maturing Exoplanets (THYME): A planet in the 45 Myr Tucana-Horologium association*

Newton, E. R., Mann, A. W., Tofflemire, B. M., Pearce, L., Rizzuto, A. C., Vanderburg, A., **Martinez, R. A.**, et al. 2019, ApJL, 880, L17

*How to Constrain Your M Dwarf. II. The Mass–Luminosity–Metallicity Relation from 0.075 to 0.7 Solar Masses*

Mann, A. W., Dupuy, T., Kraus, A. L., Gaidos, E., Ansdell, M., Ireland, M., Rizzuto, A. C., Hung, C.-L., Dittmann, J., Factor, S., Feiden, G., **Martinez, R. A.**, Ruiz-Rodríguez, D., Chia Thao, P. 2019, ApJ, 871, 63