

# MEREDITH DURBIN

170 E Sixth Street #505, Claremont, CA 91711 • (707) 321-7635  
mjd12010@pomona.edu • <http://meredith-durbin.com>

## EDUCATION

EXPECTED 2014	<b>Pomona College</b> <i>Bachelor of Arts</i> in PHYSICS G.P.A. 3.5/4.0
2010	<b>Santa Rosa Junior College</b> <i>Associate of Sciences</i> in NATURAL SCIENCES Highest Honors

## RESEARCH ASSISTANTSHIPS

SUMMER 2013 - PRESENT	
<b>Carnegie Observatories</b> <i>Research Assistant</i>	
<ul style="list-style-type: none"><li>Analyzed data from the Spitzer Space Telescope in IRAF &amp; Python</li><li>Calibrated new period-luminosity relations for RR Lyrae variable stars</li></ul>	

SUMMER 2012	
<b>Pomona College Dept. of Physics &amp; Astronomy</b> <i>Research Assistant</i>	
<ul style="list-style-type: none"><li>Operated 1-meter telescope at Table Mountain Observatory to obtain polarimetry data on blazars</li><li>Analyzed data in IRAF and Python to characterize TMO polarimeter</li></ul>	

## ACTIVITIES

<b>Co-founder &amp; graphic designer</b> , ALPhA (“Awesome Ladies in Physics and Astronomy”), Pomona College Student Organization, 2013-present	
<b>Co-founder, treasurer, &amp; graphic designer</b> , QueerWeekly, Claremont Colleges Student Organization, 2013-present	
<b>Graphic designer &amp; contributing artist</b> , Pomona College PhysPhest, 2013	
<b>Member</b> , Claremont Colleges Ballroom Dance Company, 2011-2012	
<b>Performer &amp; graphic designer</b> , <i>The Real Dorms</i> , Pomona College theatre production, 2011	
<b>Performer &amp; graphic designer</b> , <i>A Midsummer Night’s Dream</i> , Claremont Colleges student theatre production, 2011	

## SKILLS

PROGRAMMING	Basic	Python, Java, HTML/CSS
SOFTWARE	Basic	L <sup>A</sup> T <sub>E</sub> X, Linux, Mathematica, Adobe Illustrator
	Advanced	Adobe Photoshop, Microsoft Office, Mac OS X, IRAF

## TEACHING ASSISTANTSHIPS & MENTORING

SPRING 2013 - PRESENT	
<b>Pomona College Dept. of Physics &amp; Astronomy</b> <i>Teaching Assistant</i>	
<ul style="list-style-type: none"><li>Assisted introductory astronomy students with laboratory work and homework</li><li>Assisted premedical students with laboratory work</li></ul>	

SUMMER 2013	
<b>Scripps College &amp; W. M. Keck Joint Sciences</b> <i>Tutor</i>	
<ul style="list-style-type: none"><li>Tutored premedical students in introductory physics</li></ul>	

FALL 2011-SPRING 2012	
<b>Claremont Colleges Queer Resource Center</b> <i>Mentor</i>	
<ul style="list-style-type: none"><li>Helped queer/questioning/allied students connect with the Claremont queer community, locate resources, and develop support networks</li></ul>	

## PRESENTATIONS

<b>The Mid-Infrared RR Lyrae Period- Luminosity Relation</b> <i>Durbin, Meredith; Scowcroft, Victoria; et al.</i> Contributed talk at APS CA/NV, Nov. 2013
<b>Performance of the Savart-Plate Polarimeter on the Pomona College 1-Meter Telescope at Table Mountain</b> <i>Durbin, Meredith; Zook, Alma; et al.</i> Poster presented at AAS 221, Jan. 2013