

MEREDITH DURBIN

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EDUCATION

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

RESEARCH ASSISTANTSHIPS

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

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

ACTIVITIES

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

SKILLS

PROGRAMMING	Basic	Python, Java, HTML/CSS
SOFTWARE	Basic	L ^A T _E X, Linux, Mathematica, Adobe Illustrator
	Advanced	Adobe Photoshop, Microsoft Office, Mac OS X, IRAF

TEACHING ASSISTANTSHIPS & MENTORING

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

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

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

PRESENTATIONS

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