

MEREDITH DURBIN

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EDUCATION

Expected May 2014	Pomona College	2010	Santa Rosa Junior College
	B.A. in PHYSICS		A.S. in NATURAL SCIENCES
	G.P.A. 3.5/4.0		Highest Honors

RESEARCH EXPERIENCE

Carnegie Observatories SUMMER 2013 - PRESENT

- Developed automated pipeline to perform data reduction and analysis in IRAF and Python on Spitzer Space Telescope images
- Produced new results important to the cosmic distance scale that are currently being prepared for publication & presentation at conferences

Pomona College Department of Physics & Astronomy SUMMER 2012

- Operated 1-meter telescope at Table Mountain Observatory to obtain polarimetry data on quiescent blazars & polarized standard stars
- Analyzed data in IRAF and Python to characterize telescope polarimeter & determine polarization of blazars

TEACHING ASSISTANTSHIPS

Pomona College Department of Physics & Astronomy SPRING 2013 - PRESENT

- Assisted introductory astronomy students with homework sets and laboratory work, including telescope operation and imaging, software use, and data analysis
- Assisted introductory physics students with laboratory work, including experimental setup, troubleshooting, and data analysis

Scripps College & W. M. Keck Joint Sciences SUMMER 2013

- Tutored post-baccalaureate premedical students in introductory physics, including Newtonian mechanics, electricity & magnetism, thermodynamics, and topics in modern physics

SKILLS

PROGRAMMING	Python, Java, HTML/CSS, jQuery
SOFTWARE	Microsoft Office, Mathematica, Linux/UNIX, L ^A T _E X, SolidWorks, Adobe CreativeSuite (Dreamweaver, Illustrator, InDesign, Photoshop)

SCIENCE COMMUNICATION & OUTREACH

Science & science fiction columnist, *The Daily Geekette*, 2014-present

Co-founder, ALPhA (“Awesome Ladies in Physics and Astronomy”) student organization, 2013-present

Contributing artist & graphic designer, Pomona College Physics Festival: “A Night of Physics in the Arts”, 2013