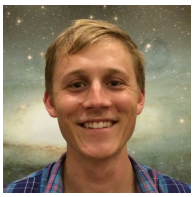

Spencer Wallace

Graduate Student in Astronomy

scw7@uw.edu

Link to My Website

EDUCATION

PhD Astronomy (in progress) 2015-present

University of Washington

Working with Thomas Quinn to simulate planetesimal accretion and protoplanetary disk thermodynamics and chemistry around pre-main sequence M dwarf stars

BS Astronomy, Physics and Computer Science 2009-2014

University of Arizona

Worked with David Arnett to implement a model for turbulent entrainment in the 1D stellar evolution code MESA

WORK EXPERIENCE

Writer 2018 - present

Astrobites

- Write and edit articles summarizing published astronomy papers and general advice for undergraduate and graduate students

Public Program Specialist 2014-2015

National Optical Astronomy Observatory, Tucson, AZ

- Ran night time observing programs for the public at Kitt Peak National Observatory
- During the programs, we present a series of talks about the basics of astronomy, physics and our place in the universe. Guests are shown around the night sky using their naked eye, binoculars, and a 0.4m telescope

Research Assistant Summer 2013

Department of Astronomy, University of Washington

- Worked with Andrew Connolly to predict the feasibility of using galaxy catalogs constructed by the Large Synoptic Survey Telescope to construct a map of dust extinction in the Milky Way

Software Consultant 2011-2014

LSST Corporation, University of Washington

- Helped to develop a set of web based data visualization tools (ASCOT) for astronomers under the supervision of Andrew Connolly
- Developed new modules for the existing framework and held regular teleconference meetings with the other members of the project to test and debug the code

Telescope Operator 2010-2014

Steward Observatory, Tucson, AZ

- Worked under the supervision of Dr. Elizabeth Green to collect and analyze asteroseismic data of hot subdwarf stars using the 61" Kuiper telescope on Mt. Bigelow

TEACHING AND MENTORING

ASTR101 - Introductory Astronomy Fall 2015
Teaching Assistant - University of Washington
ASTR150 - Planetary Astronomy Winter 2016
Teaching Assistant - University of Washington
ASTR150 - Planetary Astronomy Spring 2016
Teaching Assistant - University of Washington
ASTR101 - Introductory Astronomy Summer 2016
Teaching Assistant - University of Washington
ASTR102 - Introduction to Astronomy Fall 2016
Teaching Assistant - University of Washington
ASTR101 - Introductory Astronomy Spring 2017
Teaching Assistant - University of Washington
ASTR192 - Pre-Major in Astronomy Research Seminar Fall 2018
Research Mentor - University of Washington

PUBLICATIONS AND POSTERS

1. Wallace, S. and Quinn, T., "N-body simulations of terrestrial planet growth with resonant dynamical friction", *arXiv:1810.07201* (2018). (In review)

2. Wallace, S. and Quinn, T., "The influence of dynamical friction and mean motion resonances on terrestrial planet growth ", *American Astronomical Society* **Division of Dynamical Astronomy Meeting 49**, 12 (2018).

3. Johnson, C., Green, E., Wallace, S., O'Malley, C., Amaya, H., Biddle, L., Fontaine, G., "Photometric Survey to Search for Field sdO Pulsators", *arXiv:1308.1373* (2014).

4. Wallace, S. and Connolly, A. J., "Spatial Variation of Deep Galaxy Number Counts: A Method Of Constraining Extinction With LSST", *American Astronomical Society* **AAS Meeting 223**, 254.38 (2014).

5. Marcos, D., Connolly, A. J., Krughoff, K. S., Smith, I., Wallace, S., "ASCOT: A Collaborative Platform for the Virtual Observatory", *ASP Conference Series* **Vol. 461**, p.901 (2011).

AWARDS

Wildcat Excellence Tuition Award 2009 - 2014
University of Arizona
Arizona Assurance Grant 2009 - 2013
University of Arizona
Galileo Circle Scholarship Spring 2013
College of Science, University of Arizona
Glenn Purviance Memorial Astronomy Scholarship Fall 2013
Department of Astronomy, University of Arizona