

CURRICULUM VITAE
of
Marshall John Styczinski

PERSONAL

Information: US Citizen, born August 1988 in Dublin, California.
Position: Doctoral Candidate at University of Washington.
Interests: Space physics and astrobiology research; science communication and public outreach
Website: <http://students.washington.edu/mjstyczi/>

EDUCATION

09/2012 – present University of Washington
In progress: Doctor of Philosophy, Physics
Complete: Graduate Certificate, Astrobiology
Degree conferred: Master of Science, Physics

09/2006 – 06/2010 University of California, Davis
Degree conferred: Bachelor of Science with Highest Honors, Physics
Significant works: “On the Return of HP West: The Revival and Restoration of a Hewlett-Packard 5950A Photoelectron Spectrometer” ([Undergraduate Honors Thesis](#), May 2010)

HONORS AND AWARDS

09/2018 – present [NASA Earth and Space Science Fellowship](#)
04/2019 – 09/2019 Visiting Scholar, University of Oregon Planetary Science Group
08/2018 – 09/2018 Visiting Scholar, University of Melbourne Astrophysics Group
06/2018 – 08/2018 [JPL Space Grant Summer Internship](#)
03/2017 – present Science Communication Fellow, [Pacific Science Center](#)
06/2010 Bachelor of Science with Highest Honors from UC Davis

PROFESSIONAL AFFILIATIONS

Affiliate, [Europa Clipper Science Team](#)
Board of Directors, “Engage” science communication program
[University of Washington Astrobiology](#)
[American Physical Society](#)

SELECTED PRESENTATIONS

08/2018 [University of Melbourne Astrophysics Colloquium](#)
12/2017 [Pacific Science Center’s “Science in the City”](#)
05/2016 [Town Hall Theater’s “UW Science Now” speaker series](#)

PROFESSIONAL QUALIFICATIONS

Extensive experience with UNIX/bash, L^AT_EX, Fortran, C++, Excel, Python, Matlab, and LabVIEW
6 years formal experience teaching university physics, including TA training and exam writing

RESEARCH POSITIONS

- 08/2012 – present** *Doctoral Candidate*, University of Washington
Research focus: Magnetic sounding of Jupiter's moons
Magnetospheric plasma modeling
Advisor: Research Associate Professor Erika Harnett
- 01/2014 – 03/2017** *Graduate Student*, University of Washington
Past research: Improving the efficiency of conceptual instruction in- and out-of-class
Student understanding of Gauss's law
Interdisciplinary learning in science courses
Advisor: Professor Paula R. L. Heron and Peter S. Shaffer
- 04/2011 – 07/2012** *Junior Specialist*, University of California, Davis
Duties: Design, build, test, and analyze cryogenic bubble detection experiment (Tripathi);
Develop and implement software for analyzing irradiated magnets,
assess radiation damage of magnets used in Linear Collider R&D (Pellett);
Supervisor(s): Professor S. Mani Tripathi, Professor Emeritus David Pellett
- 07/2010 – 04/2011** *Development Technician*, University of California, Davis
Duties: Restore, repair, and improve indium evaporative deposition system (Tripathi);
Construct sensitive Double Chooz neutrino detector in international team (Svoboda);
Train and mentor undergraduate laboratory assistants
with X-ray photoemission spectrometer (Fadley)
Supervisor(s): Professor S. Mani Tripathi, Professor Robert Svoboda, Distinguished Professor
Charles S. Fadley
- 05/2008 – 06/2010** *Undergraduate Research Assistant*, University of California, Davis
Duties: Restore and optimize X-ray photoemission spectrometer system, analyze Si/Mo
multilayer crystal native oxide properties
Supervisor(s): Distinguished Professor Charles S. Fadley

TEACHING EXPERIENCE

- 09/2012 – 06/2018** *Graduate Teaching Assistant*, University of Washington
Courses: Introductory physics tutorials and laboratories, advanced electromagnetism tutorials,
and introductory courses in astrobiology, planetary science, and space science
Structure: Sole or co-instructor leading discussions in 24–32 student classrooms
Note: Most terms as head TA, leading training sessions for other TAs, writing exams,
and course administration (including curriculum writing and revisions)
- 09/2012 – present** *Physics Study Center Staff*, University of Washington
Courses: Introductory and advanced physics
Structure: Individual homework and conceptual guidance
- 10/2007 – 06/2012** *Physics Club Volunteer Tutor*, University of California, Davis
Courses: Introductory physics and calculus
Structure: Individual homework and conceptual guidance