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## CURRICULUM VITAE

of  
Marshall John Styczinski

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### PERSONAL

**Information:** US Citizen, born August 19, 1988 in Dublin, California.

**Interests:** Physics education research and curriculum development; science education and public outreach

**Website:** <http://students.washington.edu/mjstyczi/>

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### EDUCATION

**08/2012 – present** University of Washington

Degree conferred: Master of Science

Field: Physics

Degree conferred: Graduate Certificate

Field: Astrobiology

**09/2006 – 06/2010** University of California, Davis

Degree conferred: Bachelor of Science with Highest Honors

Field: 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)

**08/2002 – 06/2006** Portola Jr.-Sr. High School

Degree conferred: High School Diploma

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### AFFILIATIONS

Board of Directors, “Engage” science communication program

[University of Washington Astrobiology](#)

[American Association of Physics Teachers](#)

[American Physical Society](#)

[Physics Instructional Resource Association](#)

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### PROFESSIONAL QUALIFICATIONS

Extensive experience with UNIX, L<sup>A</sup>T<sub>E</sub>X, C++, Excel, LabVIEW, and FileMaker database software

Substantial experience with Python, Adobe Illustrator, Javascript, ROOT, C, HTML

Laboratory Safety Training, UW Environmental Health and Safety Department

Chemical/Laboratory Safety Training, UC Davis Office of Environmental Health and Safety

General Employee Radiation Training, Lawrence Berkeley National Laboratory

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### EMPLOYMENT HISTORY

#### Academic Positions:

**08/2012 – present** *Graduate Student*, University of Washington

Research Focus: Improving the efficiency of conceptual instruction in- and out-of-class  
Enhancing individual learning with interactive simulations  
Interdisciplinary learning in science courses  
Advisor: Professor Paula R. L. Heron

**05/2008 – 06/2010** *Undergraduate Research Assistant*, University of California, Davis  
Supervisor(s): Distinguished Professor Charles S. Fadley

**05/2008 – 07/2010** *Visitor*, Lawrence Berkeley National Laboratory  
Supervisor(s): Distinguished Professor Charles S. Fadley

### Teaching Experience:

**09/2012 – present** *Graduate Teaching Assistant*, University of Washington  
Courses: Introductory physics tutorials and laboratories, advanced electromagnetism tutorials  
Structure: Sole or co-instructor leading discussions in 20–24 student classrooms  
Note: Most terms as head TA, leading training sessions for other TAs and administering course (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

**09/2004 – 06/2006** *Peer Tutor*, Portola Jr.-Sr. High School  
Courses: Introductory physics, 7–8<sup>th</sup>-grade science and math  
Structure: Individual homework and conceptual guidance

### Relevant Work:

**09/2012 – present** *Graduate Teaching Assistant*, University of Washington  
Supervisor(s): Professor David Pengra, Professor Peter S. Shaffer

**09/2011 – 07/2012** *Development Technician*, University of California, Davis  
Supervisor(s): Professor S. Mani Tripathi, Professor Emeritus David Pellett

**04/2011 – 08/2011** *Junior Specialist*, University of California, Davis  
Supervisor(s): Professor S. Mani Tripathi, Professor Emeritus David Pellett

**07/2010 – 04/2011** *Development Technician*, University of California, Davis  
Supervisor(s): Professor S. Mani Tripathi, Professor Robert Svoboda, Distinguished Professor Charles S. Fadley

**07/2008 – 08/2010** *Reader (Physics 7)*, University of California, Davis  
Supervisor(s): Senior Lecturer SOE David Webb