

# CURRICULUM VITAE

of  
Marshall John Styczinski

## PERSONAL

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**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/mjstycz/>

**Contact:** [mjstycz@uw.edu](mailto:mjstycz@uw.edu)

## EDUCATION

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**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

## AFFILIATIONS

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Board of Directors, [“Engage” science communication program](#)

[University of Washington Astrobiology](#)

[American Association of Physics Teachers](#)

[American Physical Society](#)

[Physics Instructional Resource Association](#)

## PROFESSIONAL QUALIFICATIONS

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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

General Employee Radiation Training, Lawrence Berkeley National Laboratory

## EMPLOYMENT HISTORY

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### 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