

John Zeller

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Education **Oregon State University (OSU)** Corvallis, Oregon Expected Graduation: June 2015
Bachelor of Science, Computer Science
Portland Community College (PCC) Portland, Oregon June 2010
Associate of Science, Business (International), Asian Studies Focus Award

Professional Level Coursework Operating Systems 1, Software Engineering 1, Data Structures

Relevant Experience **Release Engineering Intern** – Mozilla 6/13 – 9/13
Primarily developed and maintained a REST API built on Pylons using Python, Mako, HTML, JavaScript and CSS. Designed and implemented various extensions such as returning a JSON response detailing build/test progress status, as well as displaying and reporting progress status. Contributed to several other areas, including design and implementation of Nagios scripts and Flot data visualizations, and diagnosing/finding solutions to various bugs.

Avionics Intern – SpaceX – Hardware Development Test Group 6/12 – 9/12
Developed on an off-the-shelf embedded development platform to create a platform framework that integrated in-house boards and allowed for interfacing with existing hardware to accomplish custom testing procedures. Designed and implemented an onboard Django-based server for controlling and reviewing tests in real-time. The majority of this work was done in Python, with smaller portions being completed in HTML and JavaScript.

Team/Software Leads – Oregon State Robotics Club – Mars Rover Team 6/11 – 6/13
Built a 6-wheeled mobile robotic platform with robotic arm for competing in the University Rover Challenge (URC). As Team Lead, managed weekly meetings, coordinated project leads (i.e. Mechanical, Electrical, Software, Science), organized tasks, deadlines and goals, mailing lists, secure sponsorship, coordinated public events and recruitment activities. Channel between Rover Team members, OSU, the Mars Society and OSU Robotics Club Executives. As Software Lead, managed software design process, deadlines, goals, and delegated tasks. Oversaw the proper implementation and maintenance of software and repositories. Established/used design review process for all projects.

Other Experience **Founder/Executive Director** – Space Advocates/Penny4NASA 3/12 – Present
Finance Coordinator – OSU – Human Services Resource Center 6/11 – 6/12
Student Senator – Associated Students of Portland Community College 10/09 – 6/10
Peer Mentor – TRIO Program (PCC) – Portland, Oregon 9/09 – 6/10
Shift Manager – Hollywood Video – Portland, Oregon 7/09 – 2/10
Supervisor/Inventory Manager – Jamba Juice – Portland, Oregon 7/08 – 7/09

Software Skills (Languages & Technologies)

Most Proficient		A Bit Less Proficient		Previously Used (Exposed To)	
Python	C	HTML	JavaScript	MASM	SQLite
Git	Mercurial	CSS	Mako	Nagios	
Pylons	Bugzilla	PHP	Flot		
Linux	Mac OSX	JQuery	Java		
		Bash	MySQL		
		Django	Subversion		
		Drupal			

Other Skills Project coordination, budget management

Leadership and Community Service

Conferences Attended

- International Symposium for Personal and Commercial Spaceflight (ISPCS) – October 2011
- Poverty Institute: Communication Across Barriers – August 2011
- United States Student Association Legislative Conference 2010 – June 2010
- Northwest Student Leadership Conference (NWSLC) – January 2010

Memberships: American Institute of Aeronautics and Astronautics, National Space Society

Training: Leadership Training (98+ Hours) – September 2011, December 2009, September 2009

Volunteering: English Conversation Tutor; Post-Katrina cleanup in New Orleans; Village Building Convergence 2010; Flood cleanup in Vernonia, Oregon; Martin Luther King Jr. Day Volunteering