

What do you feel are the major concerns facing the citizen science community?

As more and more Citizen Science projects are brought to the public, there is a real concern that interested members of the public could become overwhelmed with options, projects, different training requirements and duplicate offerings. A concern is that the community becomes fractionalized and subdivided with no standards, no attempt at consolidation, and no attempt to prevent duplication or to tie offerings together. A goal of the CSA should be to help identify and provide standards, frameworks, and further the knowledge of success and best practices back to the community. Our goal should be to help interested Citizen Scientists find the projects they are most interested in, and that the projects are able to deliver engaging, collaborative and educational experiences by leveraging best practices, capabilities and knowledge that has been identified and promoted by the CSA.

What skills and what types of experience would you bring to the CSA board? (If you self-nominated, this can be similar to what you wrote in the initial form.)

I was originally hired in 2000 to provide leadership to a small team of artists, programmers and writers to support NASA with public outreach websites and related materials. Over the last 15 years, I have led the development of hundreds of websites, applications, interactives and citizen science focused initiatives. I currently manage a team of about 50 people with the majority of our work focused on science education and outreach for NASA as well as NOAA and the NSF. My background includes a BS in Physics, MA in education, and a 15 year focus on working with many customers to take ideas and turn them into interesting and engaging features. My passion continues to be at the intersection of science, education and technology. Currently I provide the technical leadership for NASA's GLOBE program, while also leading the technical teams which support NASA's Solar System Exploration and Mars Program websites.

While a key element of the CSA is to address education and science, another important aspect is the technology which is required to support the initiatives. I bring in depth knowledge of this technology, the experience of working with scientists and education specialists, a background in all of these fields, and a strong passion for science and education. I have hands on experience in all of these areas and look forward to bringing that experience together with others who have similar, complimentary and related experience.

David Overoye

4477 Briney Point St,
La Verne, Ca 91750
626-744-5490(w) 626-622-5959(m)
doveroye@yahoo.com

Summary

An IT professional and leader with over 15 years experience covering a broad range of IT and Internet technologies. Extensive experience providing public focused, communication and outreach websites, interactives, visualizations and related materials. Proven ability to build and lead diverse teams in rapid turnaround, budget constrained, customer focused environments. Strong technical, business and communications skills. Very comfortable working with, and presenting to all levels of management. I enjoy an environment which features new challenges, a spirit of discovery and innovation and a desire to bring high quality, high value solutions.

- Over 15 years in IT and Internet technologies
- Oversee \$10 million in budget and staff of 50 employees and subcontractors across multiple customers and contracts
- Leader and Team Builder
- Creative, Decision Maker
- Excellent communicator of technology and their benefits to any audience
- Constantly pushing to bring new and innovative technology
- Comfortable working across business, education, science, technology, artistic and customer focused environments

Portals – GLOBE.gov

Led the architecture, re-engineering and transition of the NASA GLOBE program into a new data system. Features include collaboration, content management, visualization, mobile support and user management. The new site supports over 115 countries, 25,000 schools and hundreds of thousands of users. Led the conceptualization and development for the system including the creation of new capabilities including the new visualization system, new mobile apps, Elearning support, approaches for collaboration and much more. Required working with a large and diverse set of US and international stakeholders to build consensus, prioritize changes and enhancements and provide training and support.

- GLOBE.gov development effort won the Liferay 2013 Pulse Award for Best Site of the Year

Websites and Applications

Manage teams and projects which delivered NASA's Mars Rovers, Cassini Mission to Saturn, Solar System Exploration, USA.gov and over 100 additional websites and web based applications. These sites have generated over billions of visits for customers. A focus on features and user experience (UX) have led to being recognized as a finalist or winner of the prestigious international Webby award multiple times.

- Led support for websites which have achieved Winner or finalist of the International Webby award 9 times in the last 5 years including Best Science Site and Best Government site
- Led support for NASA's Mars Curiosity website with over 500 million hits during initial landing and re-hosting into the Amazon cloud for cost reduction and high volume support
- Led professional services support for USA.gov
- CMS experience including Drupal, Liferay, custom solutions, Alfresco, Vignette
- Leader of Raytheon User Experience IR&D effort to improve UI/UX in Raytheon IIS.
- Support highly visible, highly available sites coded in PHP, Java, Python, ColdFusion and

.Net

- Migrate and create sites and experiences for mobile platforms including iOS app development, jQuery, AngularJS, Bootstrap and Phonegap technologies.
- Maintain a strong focus on security across high value targets
- Led teams which have developed and delivered multiple mobile applications for various Raytheon corporate customers.

Hosting

Program Manager for the hosting and professional services contract that brought the transition and consolidation of the USA.gov, Forms.gov and Business.gov infrastructures into a shared environment. Maintained 24/7 operations of this critical infrastructure with >99.99% availability and 0 security issues.

- Led USA.gov hosting contract maintaining > 99.99% availability
- Led migration of GLOBE.gov from physical to virtual hosting to cloud (Amazon) environments resulting in significant savings for the end customer
- Leverage Amazon and Rackspace cloud environments for hosting multiple customers including landing operations for the Mars Curiosity landing in Amazon and the new launch of Raytheon's MathMovesU site in Rackspace
- Supported delivery of "Be A Martian" into Microsoft's Azure environment – Featured at the keynote which introduced Microsoft's cloud platform.

Process

- Led the creation and adoption of CMMI Level 3 Web engineering processes for Raytheon Web Solutions
- Adopted techniques from Agile and Earned Value Management to improve project performance and predictability
- Six Sigma Expert
- On contract performance has been recognized with customer satisfaction scores of > 95% for the last 5 years.

Awards

- Webby Award – Best Science and Government Site – 2013
- Liferay – Pulse Award – Best site of 2013
- NASA Honors Award – 2013 Mars Hosting Site Architecture, and 2013 Mars Public Outreach
- Webby Award – Best Science Site of 2009, 2010
- Three silver Cindy awards for three different educational CD's
- Awarded "Top 100 Multimedia Producer of 2000" – A/V Magazine
- Engineer of the Year award, Aerojet Electro Systems

Strengths

Experience across a wide range of IT technologies, combined with excellent analytical skills, leadership and program management capabilities. Excellent verbal, written and presentation skills. Strong team building, problem solving, managerial and business development skills. Accustomed to working with multiple customers in a very dynamic environment. Able to envision and communicate unique technology and media solutions to satisfy customer and company requirements. Comfortable working in artistic, technical and executive domains. Constantly looking to bring new technologies and ideas to our customers. Strong proponent for utilizing open source technologies to solve business needs. Comfortable with international travel, customers and interactions.

Experience

Current - Program Manager, Raytheon Web Solutions

2000 – Present

Manage a team of 50 project managers, developers, artists, systems administrators, subcontractors and support personnel, providing a range of web services and multimedia to a variety of business, education and public outreach customers. PMP Certified, Six Sigma Specialist and Raytheon Level 5 Program Manager (\$20 million annual budget qualification).

Coordinator, Instructional Design Lab, Cal Poly Pomona

1998 - 2000

Managed the operations of Cal Poly Pomona's Instructional Design Lab - a center of excellence for multimedia education. Duties included management of approximately 15 staff, consultants and students, overseeing the operation of 2 multimedia labs, providing multimedia training for a variety of groups both within and outside Cal Poly. Managed production of various educational CD, video and web based projects. Developed international Cindy award winning multimedia and training projects for Seeds of Peace and the African Learning Network.

Owner, Visual Edge Productions

1994-2000

Owner of a small business which produced "The Video Guide to the Internet", "The Video Guide to Windows 95", and "The On-Line Business Guide", with over 30,000 copies sold worldwide. Produced training videos, websites and CD-ROM's for various commercial customers.

Seminar leader for Skillpath Seminars, traveling across the country to delivery seminars on personal and business use of the Internet.

Systems Engineer, Aerojet ElectroSystems

Led numerous projects involving satellite and ground processing systems. Responsibilities included: Principle investigator IR&D Data Processing, Project Engineer Space Surveillance and Tracking System, Senior Analyst for anomalous satellite behavior. Received Aerojet's Engineering Excellence award.

Education

Cal Poly Pomona, MA Educational Technology

Harvey Mudd College, BS Physics