

## **Paul Przyborski**

paul.przyborski@gmail.com

### **HIGHLIGHTS OF QUALIFICATIONS**

- Highly experienced object-oriented HTML5/CSS3/PHP/MySQL/jQuery developer with an extensive background in custom programming and various content management systems (CMS) and frameworks, including WordPress, Drupal and Laravel.
- Public outreach focused, both through integration of social networking into existing and newly created code bases, as well as direct engagement of the public through various speaking opportunities.
- Former Maryland State certified instructor with courses taught in Web Page Design, JAVA, JavaScript, CSS, PHP, Adobe Creative Suite (including Photoshop, Illustrator, Flash and Dreamweaver), and Microsoft Office (including Access and Publisher).
- Outstanding communicator with a caring, diplomatic, and professional manner.

### **SELECTED SKILLS AND ACCOMPLISHMENTS**

#### *Technological Development*

- Developed a variety web applications for NASA's Goddard Space Flight Center that incorporate data design, custom responsive layouts, and active content management using PHP, MySQL, Ajax, JavaScript, jQuery, HTML5/XHTML, CSS3, and other languages with a strong emphasis on secure coding practices.
- Created a custom CMS in use by multiple NASA groups and NOAA's Climate Project Office.
- Created custom web applications to integrate sites in with social networking and other third-party applications.
- Provide back-up support for system administrators on LAMP web servers.
- Member of the GSFC Sciences Exploration Directory Web Council that has developed new Goddard-wide web policies.
- Lead developer community building activities, including a monthly lunch.
- Tasked with the web-based distribution of information to a variety of communities, ensuring that the information is accessible to all users (including 508 compliance).
- Responsible for the introduction of new technologies to better improve workflow, including programming frameworks.
- Led a student-based initiative to renovate and expand Southern High School's web presence.
- Implemented the web-based distribution of information to teachers, staff, parents, and the community, ensuring that the information is accessible to all users (including 508 compliance).
- Integrated technology, including Blackboard and other web-based software into courses where not normally utilized.
- Work independently with private companies to help develop and coordinate their web-based efforts.

#### *Business/Community Relations*

- Work as the main point of internal and external contact for web-related issues within several branches at GSFC.
- Used technology, including web-based information, to improve communication between the school, teachers, parents, and the community.
- Planned numerous extracurricular activities, including organizing business tours, coordinating transportation, and chaperoning students on out-of-town trips.
- Assistant coach of the first Southern High School Swim Team.

#### *Curriculum Development*

- Worked on statewide and local committees to develop innovative curriculum to instruct individual students, small groups, and classes of 30+ students.
- Created comprehensive classroom web design resources, encouraging students to take material home to implement outside of school.

- Used unconventional methods and resources to generate student interest in materials and improve spelling and grammar.

## **WORK EXPERIENCE**

Senior Application Developer, NASA Earth Observatory Group 2014-Current  
*Science Systems and Applications, Inc., Lanham, MD*

Lead Developer for NASA's Earth Observatory (November 2009 to present), Visible Earth (May 2011 to present) and NEO (January 2012 to present), as well as several other agency wide websites.

Responsible for creating, maintaining and implementing websites and applications for specific branches of NASA's Goddard Space Flight Center.

Senior Web Developer 2009-2014  
*Sigma Space Corporation, Lanham, MD*

See work description above. Employer change related to contract changes.

Developer 2013  
*Gloto Corporation, Fulton, MD*

Contracted for module development for a proprietary web application on a part-time, moonlighting basis.

Web Developer 2007-2009  
*Science Systems and Applications, Inc., Lanham, MD*

Responsible for creating, maintaining and implementing websites and applications for specific branches of NASA's Goddard Space Flight Center and NOAA's Climate Program Office.

Full-Time Teacher/Work-Based Learning Coordinator 2003-2007  
*Southern High School, Harwood, MD*

Courses taught include, but not limited to:

- AP Computer Science A & AB
- Introduction to Computer Science JAVA
- Web Page Design
- Advanced Web Page Design
- Office Systems Management
- Introduction to Computers
- Keyboarding
- Diversified Occupations (including DIV OCC Work Experience)
- Life and Career Skills

Technical Support Technician 2000-2002  
*Act Personnel Services, LaVale, MD*

Responsible for the maintenance and development of web and other networked services.

## **EDUCATION AND CERTIFICATION**

Bachelor of Arts in Business Education  
 Frostburg State University, Frostburg, Maryland, 2003

Maryland State Standard Professional Certification, Business Education Grades 7-12  
 Work-Based Learning Coordinator Certification  
 Customer Service Certification, NRF Foundation

## **PUBLICATIONS AND AWARDS**

SSAI Performance Award, June 2016 – For “outstanding work in completing the ICESat2 web site”

2015 NASA Group Achievement Award “For exceptional performance in developing and executing the first integrated media and public engagement campaign on NASA’s role in understand the Earth system.”

2014 NASA Group Achievement Award “For informing and inspiring the public worldwide about NASA Earth science through the publication of the widely used and widely acclaimed Earth Observatory website.”

2012 Climate and Radiation Laboratory “Special Award for an Act of Exceptional Merit, Beyond the Call of Duty”

2010 Climate and Radiation Branch “Outstanding Technical or Science Support/Achievement Award”

2009 Hydrospheric and Biospheric Sciences Laboratory Peer Award for “Outstanding Technical Support”

Bindschadler, R.A., B.A. Campbell, and P.D. Przyborski, 2008: Antarctica in High Definition, *The Earth Scientist*, XXVII (1), 6-9.

SSAI Performance Award, June 2008 – For contributions as a member of NASA’s Earth Observatory, winner of the 2008 People’s Voice Award Webby in the Science Category

Imagery and activities developed as part of the Landsat Image Mosaic of Antarctica (LIMA) team have been featured in the January 2009 publication of *The Science Teacher* (Vol 76 No. 1)