

PROFILE

- I am a web professional with over seven years of experience in complex workflow, high traffic government web sites, and small-business applications. I have over 10 years of web coding
- I possess strong front-end development skills, specializing in W3C web standards based coding, utilizing semantic markup for structure, advanced CSS for presentation, unobtrusive DOM /JavaScript scripting for behavior, including frameworks like jQuery, and WAI guidelines for accessibility
- I know PHP, have hands-on experience with XML, XSLT, ColdFusion and Flash; I am learning Python (via Django) and Perl
- My writing, training, technical support and presentation skills are excellent
- I am familiar with federal website requirements and OMB web policies, including accessibility
- I have solid documentation experience: user and style guides, technical documents, design requirements, etc.
- I produce mockups using IDEs, hand coding, graphical applications, WYSIWYG tools, and pen and paper
- While not formally trained, I have solid project management skills with the ability to facilitate cross-functional teams and lead onsite and geographically-dispersed virtual teams. I handle both large and small tasks as needed
- I have much experience developing intuitive, accessible, fast-loading, cross-browser Web sites and applications using high performing web site guidelines, progressive enhancement and graceful degradation strategies
- My database integration and administration skills are good.

PROFESSIONAL EXPERIENCE

07/2001 – present

US EPA, WASHINGTON, DC

The mission of the EPA is to protect human health and the environment. EPA leads the nation's environmental science, research, education and assessment efforts.

IT Analyst, OEI, OIAA

05/2009 – present

The Office of Information Analysis and Access improves access to environmental information for external and internal users. OEI develops analytical tools to empower EPA and the American public to make informed decisions about protecting human health and the environment. In addition, OIAA provides the necessary technology infrastructure to support EPA's public and internal Web sites.

In OEI, I work with all other offices at EPA, helping them set up and manage their web sites. This position formalizes some of the work I did while in OST.

- Leading the effort to convert client-side code to new XHTML, CSS and JavaScript template, including a share-this-page widget, other widgets, displaying RSS feeds in HTML, etc. Updating documentation and style guide for v.4 of this template (soon to be v.5)
- Responsible for the creation of templates, prototypes, style sheets and "how-to" coding conventions
- Through classroom instruction, workshops and one-on-one mentoring, teach proper document structure, layout, and presentation techniques using semantic mark-up, CSS and JS
- Key part of WebCMS team, converting EPA's static HTML site to an enterprise CMS, Documentum

In addition to my work on the public facing site of epa.gov, I

- Manage the content of EPA's Web Guide
- Manage the content of EPA's EPA@Work Intranet portal
- Lead the "New Web Technology" efforts at EPA
- Participate on several workgroups to form our "NextGen" Intranet
- Advocate for increased data access, through wholesale access, APIs and RSS
- Seek ways to improve EPA's web performance, including cookie-less domains, CDNs, gzip, etc.

- Help with efforts to broaden EPA's mobile outreach, including a WebKit-based mobile template

Web Developer/Infrastructure Coordinator, OW , OST

09/2005 – 05/2009

The Office of Science and Technology is responsible for developing sound and scientifically- defensible standards, criteria, advisories, guidelines and limitations under the Clean Water Act. OST is also responsible for developing risk assessment methodologies and for providing risk assessment support.

OST permitted me to work with other offices at EPA, including the Office of Public Affairs and the Office of Environmental Information.

- Co-lead the effort to convert legacy client-side code to new XHTML, CSS and JavaScript template , including "Share" (a share-this-page widget), other widgets, displaying RSS feeds, etc. Wrote entire documentation and style guide. Conversion to v.4 of this template, including “autocomplete” for the search box
- Responsible for the creation of templates, prototypes, style sheets and “how-to” coding conventions
- Through classroom instruction, workshops and one-on-one mentoring, teach proper document structure, layout, and presentation techniques using semantic mark-up and CSS
- Helped develop the Multimedia site , the intranet Web Workgroup site, and consulted on various Program Offices sites, such as EPA's Desktop Library

The Water Science website is among the most technical at EPA; at the same time, we offer multiple “Kids” sites and plenty of plain language “translations”.

- Responsible for the creation of templates, prototypes, style sheets and “how-to” coding conventions
- Develop and extend information architecture, technology infrastructure and metadata support
- Advocate of web to senior and middle office management, reminding them of EPA communications priorities, helping them understand site audience and they use the site, and feeding them web statistics
- Helped develop the Beaches Kids , Water Quality Standards Handbook and Nitrogen and Phosphorus Pollution sites, among many others
- Underway: Migrating OST site to CommonSpot CMS
- Respond to all public inquiries

Content Coordinator, OPEI

09/2004 – 09/2005

The Office of Policy, Economics and Innovation supports the Agency’s mission by promoting innovation that achieves greater and more cost effective public health and environmental protection. OPEI have one of the smallest web sites at EPA, but still functions as an important Intranet resource for regulation development.

Coordinating the web content process, connecting content creators and managers both within this office and between this office and others (national and regional) who hold similar content.

- Managing editor for content on OPEI’s web site: coordinated content organization within the office and with larger Agency reorganization effort
- As product review officer, determined audience, bringing together offices with similar content, and ensured that no redundant information was posted with consideration for how the new content affects existing pages, and with as much attention to linking in as to linking out
- Technical consultant to Web Redesign Workgroup to revise the look-and-feel template of EPA’s Public web site
- Adhered to web standards, with a full understanding of Agency and Federal web policies, standards, and guidance
- Contributed materials to Agency Web Guide

National Metal Finishing Sector Lead, OPEI, SSD

07/2001 – 09/2004

The Sector Strategies Program achieves performance improvement and burden reduction in 12 industry sectors by addressing their unique issues and challenges in a collaborative setting.

The metal finishing industry is an important part of this country’s manufacturing backbone. The industry is composed largely of small businesses, and the services it provides are an essential part of the production of many

manufactured durable goods.

- Managed transition from Strategic Goals Program to Sector Strategies Program: worked with EPA, state and local government, and industry stakeholders to implement EMS workshops
- Wrote metal finishing performance measurements and EMS Business Case; revised Metal Finishing EMS Guide; co-led partnership project with trade associations to foster EMS adoption; Technical director for Metal Finishing EMS Partnership
- Developed annual budget, projections, and leveraged resources to complete projects
- Developed Sector Strategies web site
 - Prepared web pages relating program announcements and issues
 - Ensured that information was relevant, accessible, and followed Agency guidelines
 - Edited other communications materials
- Training
 - Environmental Management Systems; Facilitation and interpersonal communication; Project management; Contracts, grants, and intra-agency agreements; Clean Water Act
- Miscellaneous
 - Familiar with major EPA databases
 - Workgroup member: Chrome NESHAP , proposed Pretreatment Streamlining rule, 2003/2004 Effluent Guidelines Program Plan
 - Task Order Project Officer for Alternative Dispute Resolution

TECHNICAL SKILLS

Languages: HTML / XHTML, CSS, DOM, JavaScript / DOM Scripting (including frameworks like jQuery), PHP (including frameworks like CodeIgniter and ExpressionEngine), XML, XSLT, ColdFusion

Accessibility: WAI, WCAG, §508

Application Servers: Apache HTTP Server

Frameworks/ CMS / Blogging Systems: ExpressionEngine, WordPress, SimpleLog, MovableType

Databases & Modeling Tools: MySQL, Microsoft Access, Visio

Development Methodologies & Design Principles: Microformats, User-centered Design (UCD), Agile Software Development

Operating Systems: Mac OS, Microsoft Windows, UNIX

AFFILIATIONS

- Member: Refresh DC, Washington Web Standards Meetup Group

EDUCATION

NSOE, DUKE UNIVERSITY Durham, NC
MEM, Master of Resource Economics and Policy

09/1999 – 05/2001

POMONA COLLEGE Claremont, CA
BA, Physics

09/1995 – 05/1999

PERSONAL

- Freelance web sites:
 - Dramatists Guild Fund (HTML/CSS/JS; PHP backend, including application form)
 - MTS Medication Technologies (JS; ExpressionEngine; FoxyCart)
 - New York Theater Ballet (HTML/CSS/JS; WordPress)
 - Greenwich House (HTML/CSS/JS)
 - The Scripps Research Institute (HTML/CSS/JS)
 - Multiple Citymeals-on-Wheels Events (HTML/CSS/; WordPress)
 - Freedom from Hunger blog and game (HTML/CSS; WordPress),
 - Covenant House Vigil for Homeless Youth (content; HTML/CSS)
 - Zephyr Management (ExpressionEngine)
 - Lyford Cay Club (private web site; ExpressionEngine)

- Loan Gals and Commercial Closers (CodeIgniter)
- Email campaigns: Parkinson's Disease Foundation, Petsmart, RTi Research (using Campaign Monitor)
- Many more sites with Easy! Design, SankyNet, Yellowhawk Creative and Myelo Design
- Married to Donna; father of two young boys
- Finished 2002 Marine Corps Marathon (3:55:27); raised \$2,100+ for the Whitman-Walker Clinic
- Toastmasters : Competent (Bronze) Toastmaster and Leader.

More Information and References available on request