

David Coulter

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Technical Skills

Technologies: CSS, HTML, JavaScript, jQuery, PHP

Adobe: Illustrator, Photoshop

Apple: Final Cut Pro, iLife, iWork, Logic Express

Browser compatibility: Gecko, Internet Explorer, Webkit

Content Management Systems: Django, Expression Engine, Wordpress

Microsoft: Word, Excel, Entourage, PowerPoint

Operating Systems: Win XP – 7, Mac OS X

Other: Coda

Standards: 508 Compliance and W3C Standards

Experience

Senior UI Developer, *NGP VAN* (<http://ngpvan.com>)

Washington, DC

July 2010–Present

- Led CSS & HTML development for NGP VAN's flagship application, reporting to the Director of UX & Design.
- Worked with .NET development team to implement UI patterns while overseeing the quality of UI design and UX patterns.
- Created standards for HTML & CSS class and ID naming conventions, leading to a more organized development effort.
- Participated in semi-weekly Sprint planning meetings, giving level-of-effort estimates to stakeholders.
- Participated in Scrum development process, usually with two week Sprints, which culminated in demos of newly-built features for stakeholders.
- Helped development team regularly meet tough deadlines during Sprints.
- Participated in launch of application into Beta.
- Organized multi-disciplinary after-hours discussions to improve the code base and decide a path for improving development efforts.
- Led effort to educate development team on HTML markup and what to expect from HTML 5.
- Implemented changes which allowed the application and the development team to support HTML 5, mobile devices, and related technologies.
- Implemented HTML 5 markup enhancements with graceful fallbacks for older browsers.
- Added CSS3 enhancements across the application with graceful fallbacks for older browsers.
- Acted as a sounding board for developers' HTML & CSS concerns.
- Implemented jQuery plugins for various features & UI/UX enhancements in the application.
- Championed efforts to reduce implementation complexity and simplify code across the application.

Senior Front-End Web Developer, 720 Strategies (<http://720strategies.com>)

Washington, DC

February 2009–July 2010

- Led development team, reporting directly to the Chief Technology Officer.
- Led the effort to bring 720's client sites up to web standards compliance and full XHTML strict validation.
- Championed implementation of a rigorous QA process to increase client satisfaction, which led to 100% site QA approval rate.
- Advocated new multi-tiered deployment process, which increased deployment speeds, and eased deployment complications.
- Hosted a series of "tech talk" presentations to help 720's entire staff better understand modern web technology trends and standards.
- Concepted "720 Code Jams" leading to the launch of CommuteBot (beta), a simple traffic API aggregator & search tool.
- Encouraged developers' use of 720's tech education budget, which allowed them to attend industry conferences, take classes, and purchase books to enhance and further their careers.
- Implemented CSS and Javascript using progressive enhancement and enrichment techniques, ensuring graceful degradation for outdated browsers.
- Created a series of baseline front-end templates, tailored to 720's implementation needs and process.
- Responsible for the implementation and development of more than 40 front-end development cycles, including cross-browser compliance testing and debugging.
- Implemented and aided in site builds using Expression Engine.

Web Programmer/Consultant, National Geographic- Digital Media

(<http://nationalgeographic.com>)

Washington, DC

June 2006–November 2008

- Responsible for countless CSS, XHTML, and JavaScript updates, revisions, templates and implementations to nationalgeographic.com.
- Coded National Geographic Channel sites, including XHTML, CSS, JavaScript, and Flash creation, implementation and bug fixes.
- Complete UI implementation relying heavily on web standards (including Alt tags, and scalable fonts) while keeping load times down.
- Performed monthly updates to National Geographic Kids' site, creating as many as 40 to 60 new pages with a focus on accuracy, speed, and performance.
- Created and updated sites for auxiliary National Geographic sites including pages for the All Roads Film Festival and <http://mywonderfulworld.org>.
- Participated in weekly code review meetings to improve our markup via group critique and brainstorming.
- Helped lead an effort to standardize deliveries and code from developers both internal and external.
- Assisted in the creation of a workflow utilizing Jira to replace paper work orders.
- Advocated consolidation, simplicity, and forward thinking in efforts to move legacy content into a Subversion environment.

User Interface & Design Lead/Consultant, Anteon Corporation- FEMA ADD Project
Chantilly, VA

November 2005–June 2006

- Responsible for documentation of User Interface standards for the entirety of FEMA's Automated Deployment Database Project.
- In charge of design implementation, from a client server application to a web based application, involving simplification of processes, layout, flow, usability and definition of all UI standards. This process reduced screen count from 30 screens to around 6 (depending on user rights).
- Complete UI Design relying heavily on government-mandated 508 compliant standards (including Alt tags, color schemes, and scalable fonts) while keeping the application attractive and pleasing to work with.
- Designed, templated, and implemented CSS, HTML, JavaScript, DHTML and limited AJAX functionality throughout the application.
- Assisted front-end java developers with html, graphics, CSS and JavaScript issues, embedded in JSPs using the Spring framework.
- Designed and implemented UI for a refined Administrators console, and a Self Serve Check-in Console, which allows Agents, with no computer training, to efficiently report for duty in the field, without assistance from FEMA HQ.
- Coordinated efforts to refine and simplify the application through meetings with Users and Administrators at FEMA Headquarters in Washington, DC.

Interface & Design Consultant, System Automation Corporation
Beltsville, MD

November 2004–October 2005

- Assisted in the migration of a client server application to a web based application from a design perspective. This involved analyzing the layout, flow, and usability of the application, as well as defining all user interface standards resulting in the migration of over 800 screens to a web-based layout.
- Complete user Interface design and implementation of the flagship products implemented in 23 states and over 400 agencies.
- Involved in the entire software development lifecycle, from initial inception of UI design, assisted in requirements gathering and analysis, and prototyped UI flow.
- Assisted front-end java developers with html, graphics, CSS and JavaScript issues, embedded in JSPs using the struts framework.
- Responsible for the design, management and implementation of user acceptance testing with existing clients.
- Responsible for designing, templating and implementing the CSS, HTML, DHTML and JavaScript for the flagship product *MyLicense Office*.
- Responsible for resolving cross browser issues for the application for the following browsers Firefox, Safari, Internet Explorer and Opera.
- Responsible for coordinating all efforts between sales, senior management and third party printing firms to produce quality sales and promotional materials in a timely manner.

Education

Hagerstown Business College

Hagerstown, MD

January 2003

Associate of Applied Science in Design

Conferences, Lectures, Recent Reading

An Event Apart Chicago, October 2009

An Event Apart DC, September 2010

Presenting Data and Information: A One Day Course Taught by Edward Tufte, April 2010

TEDxPotomac, May 2010

Designing with Web Standards Third Edition, Zeldman & Marcotte

Handcrafted CSS, Cederholm & Marcotte

HTML5 for Web Designers, Keith

CSS3 for Web Designers, Cederholm

REWORK, Fried & Hansson

References available upon request.