Caroline Boyden

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Skills

Software development, user-centered design, automated testing, accessibility, business analysis, user research, competitive analysis, wireframing, information architecture, visual design.

Languages and tools

Drupal, Git, PHP, HTML, CSS, ARIA, Behat, Selenium, Travis-CI, Javascript, SQL, PHPStorm, WordPress, Ruby on Rails, Symfony, Photoshop, Acrobat, Google Apps, Microsoft Office.

Employment

Web Developer / Accessibility Analyst

IST Web Platform Services, University of California, Berkeley CA – July 2012 to present

Software development. Full SDLC from business requirements to deployment. Develop features for website platform serving 100+ campus departments. Meet with stakeholders to determine requirements. Provide project estimates. Develop features. Write tests. Write documentation. Integrate features into platform and deploy. Monitor for security and maintenance issues.

Automated testing. Implement automated functional testing using Behat and Selenium on Travis-CI. Detect regressions in complex user-facing features. Implement visual regression testing.

Accessibility. Review multimillion-dollar vendor RFP responses for accessibility. Develop guidelines for campus procurement process. Evaluate software and websites against WCAG 2.0 AA standards. Work with developers and third-party vendors to test, report, and remediate accessibility issues. Develop accessible interface components.

Open source community. Contribute patches to Drupal 7 and 8 projects. Review and test patches. Participate in and organize sprints. Present at user group meetings and conferences.

Web Designer

College of Letters & Science, University of California, Berkeley CA – October 2004 to June 2012

Design and development. Designed and redesigned websites, improving content, identity, and maintainability. Conducted user research and competitive analysis. Designed logos, page layouts, and information architecture. Implemented content management systems, reducing support costs by 20% and maintenance time by 50%. Migrated 20 sites to new systems, including Drupal and WordPress. Planned and executed major version upgrades.

Accessibility. Provided technical leadership on accessibility as part of award-winning campuswide team. Developed code for compliance with WCAG 2.0 AA and Section 508 standards. Researched and demonstrated accessibility techniques. Collaborated with users and developers to advocate for web accessibility.

Web Application Developer / Business Analyst

CBCA Inc., Oakland CA – May 2001 to June 2004

Workflow design. Designed automated medical claims processing workflow. Wrote use cases and prototypes. Achieved 95% automation with 99%+ accuracy. Reduced turnaround time from five to two days for system processing 15,000 claims per day.

User interface design. Designed user interface for extranet applications for clients, their employees, and health care providers. Wrote use cases and prototypes for system that provided statistics and custom reports for over 500,000 members.

Recent Presentations

"Visual Regression Testing," BDUG, September 21, 2015

"Increasing Accessibility through Collaboration on Open Source Projects," CSUN, March 4, 2015

"State of the Panels Union," DrupalCon Los Angeles, May 12, 2015

Education

Bachelor of Arts, Theater (Lighting Design), Williams College