

James Clark

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Technical Skills:

- Web design technologies, including HTML, PHP, SQL, CSS, LESS, SASS, Laravel MVC framework (4.2 & 5), Symfony, PHP Unit, Behat, Bootstrap, XML, AJAX, jQuery, and JavaScript.
- Programming in PHP, C++, Java, Perl, Python, BASH, and others.
- Integration with APIs and services, including Facebook, Stripe, Paypal, Active Directory, and others.
- Experience with CMS solutions, including custom WordPress plugins and Drupal modules.
- Administration of Linux based OSes and servers, including BIND, Apache, MySQL, and Postfix.
- Familiarity with version control systems, primarily Git.
- Basic graphical design and editing with Adobe Photoshop and The Gimp.
- Knowledge of hardware; Experience upgrading and building computers.
- Acceptance testing with Behat.
- Experience conducting usability testing.
- Testing and implementation of accessibility requirements, including ADA compliance.
- Search engine optimization (SEO).
- Use of analytics tools, including Google Analytics, Piwik, and others.
- Multimedia manipulation, encoding, and automation using Linux tools FFMPEG and Mencoder.

Experience:

2010 - present
Web Specialist

Iowa City Public Library

Iowa City, IA

Manage websites and tools used by library staff. Design, code, test and document custom built applications, plus maintain and customize commercial and free/open source tools. Integrate applications and websites with APIs and services. Support public usage of technologies such as e-readers, personal computers, and phones. Help support library infrastructure, including public computers, multimedia equipment, servers, self checkout units, and more. Coordinate with vendors as necessary. Accommodate staff, patron and community needs. * **Wrote the entire technology stack for ICPL's high impact Local Music Project, a library initiative receiving national recognition, including a feature on NPR's All Things Considered and a mention on the front page of boingboing.net. The initiative is being replicated by libraries across North America.** *

1998 - present **Weno Webdesign** **East Amana, IA**
Co-founder / Developer

Operate a small web design business. Establish good customer relationships and tailor all web services to individual customer preferences. Conduct needs analysis. Write custom applications, plugins and modules to meet client needs. Assist clients in other technology-based areas as requested.

2006 - 2008 **Cornell College** **Mt. Vernon, IA**
Webmaster

Managed all aspects of Cornell's websites, including planning, building, troubleshooting and otherwise managing a variety of applications (custom built, free/open source, and commercially purchased products). Provided training and technical support to application end users. Served on relevant college committees. Researched, recommended and developed new technology. Conducted usability testing and assured site accessibility. Supervised, advised and budgeted for a four person staff of part-time student workers. Assisted in the administration of a Windows-based web server.

2005 - 2006 **Kirkwood College** **Cedar Rapids, IA**
Instructor, Continuing Education

Taught evening classes on the topics of PHP4 and Cascading Style Sheets.

2004 - 2006 **Kirkwood College** **Cedar Rapids, IA**
Web Developer

Performed all duties involved in the management of Kirkwood's primary website, and a number of related websites. Duties included gathering, analysis, and delivery of new content in a web format; management, troubleshooting and updating of old content, and the conversion of a large volume of pages from Cold Fusion to PHP. Daily responsibilities included the analysis of user requirements, creation of new site content, assisting faculty, staff, and students with web needs, monitoring and prioritizing the requests made of the web team, assisting other state community colleges as needed, and system administration for Linux and AIX environments. Projects ranged from very small, static HTML pages to very large, dynamic and scalable database driven applications which are used at colleges throughout Iowa.

Education:

2006 **NOVA Southeastern** **Ft. Lauderdale, FL**
Master of Science, Computer Information Systems.

2003 **Waldorf College** **Forest City, IA**
Bachelor of Arts, Computer Information Systems, *Cum Laude*.