

MARK J DRUMMOND



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PERSONAL STATEMENT

I have been passionate about web development since I was a teenager. I began teaching myself to code when I was 15 and was proficient in C, Bash, HTML, CSS, PHP & MySQL by the time I graduated high school. In college, I took on a few small clients and worked as a web developer at two small businesses. When I moved to Seattle, I established a career in and passion for public health but always missed the creativity and problem solving of web development. As soon as I had the resources, I pursued a certificate in full stack web development through the University of Washington. Now that I've earned the certificate, I am excited to pursue this career again. I am seeking employment as a front end, back end, or full stack web developer and look forward to working with you.

QUALIFICATIONS

- ✓ Customer Service Skills: Experience in a variety of customer service settings, most recently in managing participants in clinical research. Friendly and professional communication style. Customer-centered attitude. Excels at customizing solutions to meet clients' needs.
- ✓ Full Stack Web Development Skills: Proficient in HTML5, accessible web, CSS3, Bootstrap, Materialize JS & CSS, JavaScript ES6, jQuery, Node.js, Express.js, ReactJS, Mongoose, GraphQL, PHP, MySQL, MongoDB, WordPress, Drupal 7, content management system design and development, object oriented programming (OOP), debugging, and conducting tests. Emphasizes mobile responsiveness, web accessibility, and continuing education in web development technologies. Proficient in the web development process, including GitHub, Heroku, DNS, Apache web server configuration, Microsoft Visual Studio Code, and waterfall and Agile development life cycles. Familiar with Google Analytics 4.
- ✓ Computer Skills: Proficient in Microsoft Windows usage & administration, Microsoft Office Suite, Office Visual Basic for Applications, and in the creation of professional documents and presentations. Familiarity with Adobe Illustrator and Photoshop. Proficient in database design and hardware & software configuration and maintenance, including anti-virus. Able to learn new programs and web interfaces very quickly due to knowledge of how they are designed, built, and function.
- ✓ Work Ethic: Proven ability to work well in a fast-paced environment in a team and independently. Proven ability to prioritize, multitask, and put in extra time to meet deadlines. Dependable, adaptable, and solution oriented. Earned the rank of Eagle Scout in the Boy Scouts of America. Have been a volunteer emergency warden in a high-rise medical building since 2009.

WEB DEVELOPMENT PROJECTS

Total Quest

Deployed at <https://www.totalquest.us> | Developed in a team setting as a course project

A mobile-first scavenger hunt web app that uses QR codes placed in physical locations. We developed the project with the MERN (MongoDB, Express, React, & Node) stack using the React Material UI library and GraphQL. We were the only group of students to deploy their project to a branded domain, which I spearheaded. I wrote the React front-end admin panel and the models, typedefs, queries, and mutations for Mongoose ODM & GraphQL.

Center for Stewardship in Medicine Drupal 7 Website

Deployed at <https://www.uwcsim.org> | Developed independently, continuing work from previous developers

A Drupal 7 website for a University of Washington department. I used the Display Suite, Views, and Advanced Forums modules, and extended an existing custom module, to add new functionality and create a better user experience per the center administrator's direction.

Pressed Words

Deployed at <https://blog.markdrummond.me> | Developed independently as coursework

A blog app with an MVC content management system using Express as the back end and Handlebars as the front end. It utilizes asynchronous JavaScript functions and performs CRUD functions on users, posts, and comments.

TuneSpace

Deployed at <https://mjamesd.github.io/crispy-happiness/> | Developed in a team setting as a course project

A mobile-responsive, API-driven, jQuery and Materialize website that provides biographies, discographies, and lyrics for musicians of all genres. By pulling data from various databases, we created a centralized hub where users can explore their favorite artists and discover new music. I wrote JavaScript to fetch and display the information from two of the APIs used as well as integrating Materialize JS & CSS into the website.

Weather Dashboard

Deployed at <https://mjamesd.github.io/weather-dashboard/> | Developed individually as coursework

An API-driven jQuery and Bootstrap webapp to check the weather. The user's searches are saved in Local Storage and can be recalled at the click of a button.

University of Washington Virology Research Clinic CakePHP Content Management System Website

Deployed at <https://depts.washington.edu/vrc> | Developed individually

A full-stack content management system and public-facing website for an infectious disease research clinic in Seattle, WA, using the LAMP stack: PHP, CakePHP MVC framework, a rich-text editor, CSS, JavaScript, and MySQL.

University of Washington Vaccine & Treatment Evaluation Unit WordPress Website

Deployed at <https://www.uwvteu.org/> | Developed individually

A WordPress website for a COVID-19 vaccine clinical trial center in Seattle, WA.

WORK EXPERIENCE

University of Washington Center for Stewardship in Medicine | Seattle, WA

Web Developer | July 2022 - present

Provided updates to a Drupal 7 website that guides small, rural hospitals nationwide in using antibiotics appropriately. Determined technical feasibility and development schedule for non-technical managers. Updated graphics and a new domain name to meet legal requirements. Extended a custom module to add new functionality with PHP code. Created a new portal for the hospital users to quickly see their programs' tasks and progress using Drupal modules and custom PHP code. Added forum functionality so members could discuss their progress and share insights with each other. Updated custom pages to use semantic HTML. Added custom CSS throughout the site to increase aesthetics as well as user experience. Wrote documentation for the website with information for web developers, non-technical managers, and content editors.

University of Washington Virology Research Clinic | Seattle, WA

Research Coordinator | Feb 2022 – present

Coordinated research studies and clinical trials to support the COVID-19 Prevention Network and the clinic's ongoing research. Throughout my time at the clinic, communicated effectively with all people in the chain of research, including research participants, clinical providers, data managers, laboratory technicians, medical researchers, principal investigators (PIs), UW management, outside vendors, and pharmaceutical company representatives and leaders. Provided IT support and webmaster services. Produced ads in Photoshop and Canva and ran multiple concurrent digital ad campaigns to recruit participants. Spearheaded the use of QR codes and Bit.ly links to track ad engagement. Wrote documentation for the clinic's IT tasks for a non-technical audience.

Research Study Coordinator I | Nov 2009 – May 2016, Research Study Coordinator II | May 2016 – Feb 2022

Coordinated multiple concurrent investigator-initiated research studies and clinical trials. Designed, developed, and deployed a custom LAMP stack CMS website for the clinic using CakePHP, HTML, CSS, and jQuery. Created study progress tracking tools and reports using Microsoft Excel VBA macros. Directed, filmed, and edited multiple instructional videos for medical researchers and created access-controlled webpages from which to download them. Provided IT support, managed the two websites, and created print & digital advertisements with Adobe Photoshop and Illustrator. During the COVID-19 pandemic, was instrumental in training new staff and expanding & upgrading the clinic's IT resources. Quickly deployed a WordPress website for COVID vaccine trial recruitment.

Program Assistant I | Aug - Nov 2009

Input research participant data for pandemic H1N1 influenza vaccine trials into a pharmaceutical electronic data capture system. Provided office and IT support to medical and administrative staff in a Windows environment.

Principle Strategy | Lawrence, KS

Web/Database Developer & Network Administrator | Feb - Nov 2008

Set up and managed the office network. Independently worked with Kansas state census and election data to create a database-driven website using the LAMP stack to find one's state and federal legislators by one's address. Worked independently to design, build, and launch custom LAMP and Drupal websites for candidates' election campaigns and for grassroots political organizations.

Broadmoor Bistro | Kansas City, KS

Web Developer | Jan 2008 – Sep 2010

Built a full-stack content management system using the LAMP stack and CakePHP MVC framework for a student-run restaurant in the Shawnee Mission School District of Kansas. The site included an access-controlled content management system to manage site pages, images, videos, and documents; multiple restaurant menus; and reservations. It included a reservation system (before OpenTable was widely used) with which users place reservations based on open time slots. Integrated the customer's preferred payment system into the site for online ticket sales.

PilgrimPage, Inc. | Lawrence, KS

PHP Web Developer | Feb - Dec 2007

Worked closely with web development and design teams to build database applications and dynamic PHP websites for multiple clients using the LAMP stack. Used Subversion version control software to track progress and collaborate with other developers. Worked on several client and in-house projects at a time to meet development and productivity goals.

TRAININGS & CERTIFICATIONS

- ✓ HIPAA
- ✓ Eagle Scout in Boy Scouts of America

EDUCATION

Certificate in Full-Stack Web Development, University of Washington, *March 2022*

Bachelor of Arts, Political Science, University of Kansas, *May 2009*