

Part-Time Positions Available Web Applications Development

Center for Behavioral and Decision Sciences in Medicine

The Center for Behavioral and Decision Sciences in Medicine is a joint program of the University of Michigan and the VA Ann Arbor Health System. We are a collaborative and interdisciplinary research group conducting behavioral science research designed to be applied in health care settings to **improve the way people make health care decisions**. We look for motivated individuals who can blend technical and social sciences expertise to further our behavioral research. See www.cbdsdm.org for more information.

CBDSM is seeking one or more **part-time hourly web applications developers with programming skills**. Hours can be flexible. These are **long-term positions**, offering significant opportunity for professional development.

DUTIES

Work with researchers to **implement web-based survey research projects**. Programmers attend Center research meetings as required throughout the design and implementation process to ensure the final product fits the researchers' standards. For larger projects, programmers create and maintain a formal specification.

Work with the director, manager, and researchers to **manage, maintain, and improve the Center's website**, including the development of web applications.

Write web applications and surveys from initial conception through testing and deployment.

Coordinate independent testing of applications with regard to usability, functionality, data recording, and performance, consulting and revising as needed with Center researchers.

Create and maintain comprehensive documentation throughout each project's lifecycle, using the Center's in-house project management system. For example, reasons for revisions, code bugs corrected, and content changes are all documented.

Monitor data collection and extract survey and other web-based data from the server as needed, convert it to each researcher's preferred format for statistical analysis, and assist in the creation of a codebook that thoroughly documents the dataset.

Manage the Center's external web server, which hosts the website, surveys, and web applications.

Several lines of Center research focus on identifying, exploring, and testing the potential advantages of **graphics and interactivity for medical decision-making**. As a result, programmers with relevant skills and interest in developing such applications may have the opportunity to take on more intellectual roles in these projects. In such cases, programmers will work closely with investigators to design the surveys, graphics, and/or interactive web applications to advance Center research.

QUALIFICATIONS

Educational background in computer science, one of the social sciences, communications, or a related field. Bachelor's degree preferred but not required.

Experience in **dynamic web design, programming, and implementation**.

Knowledge of web-based technologies; specific expertise in **Ruby, Ruby on Rails, AJAX, and/or UNIX preferred but not required**.

Graphic design experience with a focus on **web-based interactivity (Flash/JavaScript) and graphical presentation of large datasets a plus.**

Ability to work independently, given general direction, on sophisticated survey research instruments and on a complex website in an academic environment. Familiarity with medical and psychological research protocols helpful.

Willingness to work as a cooperative and productive research team member. Excellent organizational skills.