Info Tech Consultant I Job Description

Duties
- Work closely with the Director of CDL and Senior Developer on all web design and user experience projects
- Create wireframes and prototypes to explore ideas for user flows
- Gather feedback from users and stakeholders to drive toward a final set of mockups or prototypes
- Create Section 508 and WCAG Web Accessibility standard compliant web site
- Maintain the overall design standards
- Maintain and manage all design assets
- Work closely with the team to provide any creative support for online and print marketing collaterals

Qualifications and Specific Skills
Experience with web development languages of HTML, CSS, and JavaScript/JQuery

- **HTML**
  - Familiarity of HTML syntax for multiple specifications, including HTML 5.
  - Knowledge of the semantic meaning of all HTML elements.
  - Familiarity with the semantic markup for display of lists, tabular data, forms, articles, etc.
  - Knowledge of markup used for layout such as dividers.
  - Knowledge at the level to be able to hand-code markup.
  - Including media and images.

- **PHP**
  - Familiarity with modifying Drupal Theme hooks to display data
  - Understanding how to utilize PHP to filter, process and output html, json, xml

- **CSS**
  - Specifying different CSS for various media, devices and displays.
  - Best practices in CSS file organization and structure.
  - Methods for including CSS inline, internal and external via linked style sheets.
  - How to define, combine and group CSS selectors for HTML elements, ID, classes, pseudo classes, child or sibling.
  - Syntax of CSS declarations, properties and attributes.
  - CSS box model and methods for CSS positioning, absolute and relative.
  - Knowledge of properties and attributes to control the display.
  - Familiarity with differences in CSS 2 and CSS 3.
• **Best practices**
  - Methods to ensure browser & device compatibility
  - Methods for degrading gracefully for older browsers and displays.
  - Methods to ensure accessibility.
  - File compression techniques for improving speed.

• **JavaScript**
  - Knowledge of the operators, variables, datatypes, objects, properties and methods.
  - Familiarity with control structures such as objects, functions, conditional statements, arrays, loops and expressions.
  - Forms and regular expression validation and submitting data.
  - Knowledge of how to apply logical operators and conditional statements.
  - Knowledge of the DOM HTML objects and their properties.

• **Event handling.**
  - Creating and controlling windows and dialogs.
  - Processes for troubleshooting and debugging.
  - Familiarity with development and debugging tools for cross-browser issues.

• **jQuery**
  - Knowledge of how to employ the jQuery library for visual effects, event handling, and document manipulation.

**Experience**

• Understands key server-side web development concepts through experiences such as:
  - Interpreting graphic visual or interaction designs in HTML, CSS and Javascript.
  - Creating visually appealing web pages or interfaces.
  - Creating, editing or modifying templates for a CMS or web development framework.
  - Programming interaction with JavaScript and/or a library such as jQuery, YUI or Prototype.
  - Testing cross-browser, cross-platform, and/or cross-device compatibility for inconsistencies.
  - Testing for compliance to specified standards such as accessibility standards in the clients region or domain.
  - Conducting observational user testing, or reviewing designs against usability heuristics.
Education

- Minimum BA in computer science, information systems, educational technology, communications or related fields or similar certified coursework in applicable fields of study.

Preferred Qualifications and Special Skills

- A minimum of 1 year experience working in web design
- Other computer-related certifications preferred.
- Experience with PHP, MySQL, and object-oriented programming preferred.
- Frameworks such as CodeIgniter, CakePHP, or Laravel experience.
- CMS such as Drupal or WordPress experience.
- Learning Management System such as Moodle theme experience.
- JQuery experience.
- LESS or SAAS CSS Preprocessors experience.
- Experience with IDE and/or Texteditor is preferred.

Submit resume and introduction to Minah Oh (minah@interwork.sdsu.edu)