Position Type: Graduate Assistant

Position Title: GA Front End Developer

Division: Digital Systems and Stewardship (DSS)

Department: Software Systems Development and Research (SSDR)

Reports to: Ben Wallberg

Prepared by: Ben Wallberg

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NATURE OF WORK

The Graduate Assistant Front End Developer provides broad programming support to the University of Maryland Libraries for the development and delivery of websites, online exhibits and digital collections, focusing on front-end user interface development. The majority of this work will be using the Hippo CMS website development toolkit which is built utilizing Java, Maven, Spring, and Freemarker templates.

The developer will report to the SSDR manager and work closely with a team of full-time and graduate assistant developers in a structured software development and promotion environment. The developer will participate in daily standup meetings, track assignments and progress using JIRA, track code changes using Git, and generate written documentation using Markdown and Confluence wiki.

DUTIES AND RESPONSIBILITIES

70% - Provide web interface development support for websites, online exhibits and digital collections, primarily using Hippo CMS website development toolkit and content management system

15% - Research and develop advanced visualization tools for Libraries’ data and content

10% - Provide strong written documentation throughout the software development lifecycle,
utilizing tools such as JIRA for issue tracking, Git for version control, and Confluence Wiki for knowledge sharing and documentation.

5% - Other administrative and software development duties as assigned

PHYSICAL DEMANDS

Normal Office duties

SUPERVISORY RESPONSIBILITIES

None

QUALIFICATIONS

Required:

- Demonstrated ability to research, recommend, and implement best practices for creating an excellent user experience in web applications
- Excellent interpersonal skills
- Excellent written and verbal communication skills

Preferred:

EDUCATION

Required:

- Bachelor's Degree.
- Enrolled in a graduate program at the University of Maryland

Preferred:

- Bachelor's Degree in a field related to information sciences, computer sciences and engineering, or information management

EXPERIENCE

Required:

- One year of programming experience
- Experience with client-side programming using JavaScript and associated libraries like jQuery
- Experience creating web applications using a Web Application Framework
- Experience using version control software such as Git
Preferred:

- Experience using a Java based web application framework
- Experience using the Angular front-end web application framework
- Experience using the Ruby on Rails web application framework
- Experience using data visualization tools such as D3.js