

## Assistant Programmer, MPublishing (University of Michigan Library)

The Publishing Technology Group is seeking an Assistant Programmer (student or non-student) for a part-time position of approximately 10 hours per week for Fall 2011, with the possibility of renewal, at \$13 per hour.

School of Information students may be eligible to arrange PEP internship credit for some portion of hours worked. Students with Work-Study grants are eligible to apply.

The Assistant Programmer will be primarily responsible for developing software to enhance our corpus of XML-encoded content. The software will be required to identify citations within the mark-up, parse the citation using 3rd-party software tools, structure a query to an API service, and modify the XML corpus based on the response. Additional projects and coding duties may be assigned as the primary project nears completion.

### Duties

- \* Integration of outbound persistent urls for a number of disparate digital collections
- \* Creating automated text and citation processing using 3rd party tools
- \* Perform other duties as assigned.

### Required Qualifications

- \* Experience with/knowledge of Linux, XML, and working with APIs and HTTP
- \* Demonstrated proficiency with a scripting language (Perl preferred)
- \* Excellent analytical, oral and written communication skills
- \* Bachelor's degree or current enrollment in bachelor's program

## Desired Qualifications

- \* Aptitude for software design
- \* Experience with version control systems
- \* Intellectual curiosity and a willingness to learn
- \* Ability to work independently
- \* Experience with some combination of HTML, SQL, XSLT, and regular expressions
- \* Familiarity with libraries and use of library resources
- \* Familiarity with the publication process or digital libraries

Please email a resume and cover letter to Seth Johnson ([sethajoh@umich.edu](mailto:sethajoh@umich.edu)) by 9/16/2011.

MPublishing is the unit of the University of Michigan Library that is responsible for the production and dissemination of the university's major publishing efforts, and also includes copyright services and the university's institutional repository, Deep Blue. The Publishing Technology Group is responsible for the software which enables online publication of numerous works, including significant text-based journal collections, scholarly monographs, working papers and conference proceedings, scholarly bibliographies, and image collections.

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