POSITIVE VACANCY ANNOUNCEMENT

POSITION: Digital Collections Web Programmer - Web Developer 2

REPORTS TO: Head, Digital Development

SALARY: $54,600 annual salary; Actual rate will reflect experience and credentials

REQUISITION #: 508797

DEADLINE DATE: October 12, 2018 - review of applications will begin as received

JOB SUMMARY
As a member of the Libraries’ Information Technology Department, Digital Development Unit, the Digital Web Services Programmer performs duties related to the creation and support of software applications for the Libraries’ Digital Production Services Department and develops web applications and services with an emphasis on user experience. Under general direction of the unit head, works to design, develop, test, and deploy digital library websites and web applications including designing web application architecture, code development, and ensuring site functionality.

The Libraries’ Information Technology Department serves as the focal point for planning, managing and coordinating technology-based Information Resources that support Library operations. The networked environment that exists in the Libraries is switched Ethernet and wireless. The Information Technology Department manages approximately 34 servers that support over 625 workstations and 250 mobile devices used by 250 staff and over 3 million annual patrons located in nine different buildings.

RESPONSIBILITIES
• Design, implementation and maintenance of digital library web and related database systems which effectively delivers digital resources, tracks resource usage during digitization, and facilitates the compilation of analytical data in support of the Digital Production Services department. The underlying programming, scripting, query, and markup languages involved may include, but are not limited to C#, Microsoft SQL (T-SQL), PHP, Python 3+, JavaScript, HTML5 and CSS, with initial emphasis on C# and Microsoft SQL. Coded projects should be accurate, effective, efficient, secure, completed by designated timelines and be sufficiently documented so that a fellow team-member familiar with the specific programming language can determine program flow and make modifications based upon the associated documentation. Employ secure coding practices. Code to be used in a production environment is subject to the approval of the appropriate governing IT Security entity.
• Design, implementation and maintenance of digital production services relational database components (tables, SQL stored procedures, etc.).
Perform routine, periodic processes as requested by senior digital programmers and unit supervisor, such as bulk ingests.

Install, maintain and instruct DPS staff in the use of digital collection related console applications and toolkits.

Expand knowledge base in the area of information technology, digitization, mark-up indexing, systems, etc. related to conversion and creation of digital resources for library and archives use through independent research, teacher-led or online training and by participation in professional meetings and discussion groups. Supports UF’s representation in the digital library communities, particularly key strategic open source partnerships such as DPN.

Performs other incidental duties necessary to accomplish the essential functions listed above. Represents the Information Technology Department in internal and external committees, teams and similar work-groups.

QUALIFICATIONS

Required:
- An associate’s degree and four years of appropriate experience, or a bachelor’s degree in an appropriate area of specialization and two years of appropriate experience.

Preferred:
- Bachelor's or Master's degree in Computer Science or Computer Engineering
- Excellent verbal and written communication skills
- Ability to work on a team of library staff, and other subject experts and facilitate collaboration
- Experience providing support for digital libraries and/or digital projects
- Extensive development experience
- Strong critical thinking, problem-solving and prioritization skills in the midst of multiple tasks while retaining attentiveness to detail
- Ability to be innovative and forward thinking when designing and seeking solutions to complex requests
- Demonstrated experience with:
  - Object-oriented programming languages. Preference given to experience with C# and Java
  - Python 3+
  - SQL or other database query equivalent and knowledge of relational database models
  - XML and XML schemas
  - HTML and CSS
  - Web scripting languages, in particular JavaScript
  - Use of Git for source code versioning
  - User-Interface Design
  - Eliciting programming requirements from users
  - Preparing documentation
- Experience with Microsoft Windows systems and familiarity with Windows server operating systems
- Experience working with existing libraries, such as jQuery, to enhance the web user’s experience
- Experience with Microsoft Visual Studio (.NET coding environment)
- Experience with Microsoft SQL Server and/or Internet Information Server
- Experience with developing and delivering training
- Record of including individuals of diverse backgrounds, experiences, races, ethnicities, gender identities, sexual orientation, and perspectives in research, teaching, service and other work.

THE UNIVERSITY OF FLORIDA

The University of Florida (UF) is a major, public, comprehensive, land-grant, research university. The state's oldest and most comprehensive university, UF is among the nation's most academically diverse public universities and won the 2018 Senator Paul Simon Award for Comprehensive Internationalization.

The Foundation for The Gator Nation
An Equal Opportunity Institution
UF was ranked 9th among public universities in Forbes’ “America’s Best Employers 2015” and 9th among “Top Public Schools” in U.S. News and World in 2017. UF has a long history of established programs in international education, research and service. In 2013 the Florida Legislature designated UF as the state’s preeminent institution which grew into an opportunity to achieve national and international recognition for the University’s work in serving students and the world. It is one of only 17 public, land-grant universities that belong to the Association of American Universities. UF traces its beginnings to a small seminary in 1853 and is now one of the largest universities in the nation, with more than 50,000 students. For more information, please consult the UF homepage at http://www.ufl.edu

UNIVERSITY OF FLORIDA LIBRARIES

The libraries of the University of Florida form the largest information resource system in the state of Florida. The UF Libraries consist of seven libraries on the Gainesville campus and three off-campus facilities; six of the campus libraries, and all of the off-site facilities, are in the system known as the George A. Smathers Libraries at the University of Florida. The remaining library is the Lawton Chiles Legal Information Center. Collectively, the UF Libraries (the Smathers Libraries and the Legal Information Center) hold or provide access to over 6 million print volumes, 8.1 million microfilms, 1.5 million e-books, over 145,000 full-text electronic journals, 827 electronic databases, 1.3 million documents and 1.4 million maps and images.

The UF Libraries have built a number of nationally significant research collections, including the Latin American, Judaica, Florida History, Children’s Literature, and Maps and Imagery collections. The UF Libraries are a member of the Association of Research Libraries (ARL), the Center for Research Libraries (CRL), and the Association of Southeastern Research Libraries (ASERL). The library staff consists of more than 300 FTE librarians, technical/clerical staff and student assistants. The organizational chart is available at http://www.uflib.ufl.edu/orgchart.pdf.

The George A. Smathers Libraries are strong advocates for inclusion and intellectual freedom. The Libraries’ commitment to both is articulated in the Inclusion Statement and Intellectual Freedom Statement, both of which are posted at http://cms.uflib.ufl.edu/InclusionAndIntellectualFreedom.

LIBRARY INFORMATION TECHNOLOGY

The Library Information Technology department at the George A. Smathers Libraries serves as the focal point for planning, managing and coordinating programming, development, and all computer based information technology and online resources that support library operations and services to the University community. The Library Information Technology department manages 34 servers supporting programs and services used throughout the US and the world- including digital library programs, and internal application for the operations of the Libraries. The department, supports over 625 workstations used by 250 staff with over 6 million on-site and virtual visitors a year, high-end technology classrooms for credit courses and workshops, and event and exhibit spaces with interactive technologies for virtual conferencing, and touch screen user support. The Libraries’ Information Technology department leads the planning and development of new ways to leverage technology in support of the mission and goals of the Libraries.

COMMUNITY

Gainesville, Florida and the surrounding community are home to approximately 257,000 people and both the University of Florida and Santa Fe College. Situated just over an hour from the Gulf of Mexico and the Atlantic Ocean, the city is surrounded by over 40 nature parks, including many spring-fed lakes and rivers. In 2015, Gainesville was named the “Best Midsized College City in America” by WalletHub and ranked no. 7 on Livability.com “Top 10 College Towns”. Gainesville is known as an innovative municipal government and an innovative city. Gainesville continues to receive national recognition as a top-rated city. Some of Gainesville's accolades are listed at the Gainesville Awards and Recognition link. The Guide to Greater Gainesville combines award winning photography and compelling articles that capture all of the
reasons for calling Greater Gainesville your next home. The area has numerous cultural institutions and is a haven for sports fans. Jacksonville, Orlando, Tampa, Tallahassee, and St. Augustine are all within a two-hour drive. Gainesville is an affordable city and area to live in – using a cost of living calculator you can compare cities across the United States. See how affordable Gainesville really is!

BENEFITS
Vacation days, paid holidays, and sick leave days; retirement plan options; insurance benefits; tuition fee waiver program; no state or local income tax. Prospective employees should review the information about employment and benefits at UF available at http://hr.ufl.edu/benefits/. UF offers a comprehensive new online benefits tool called ALEX to help employees and prospective employees review benefit choices at UF.

APPLICATION PROCESS
To apply, submit 1) a cover letter detailing your interest in and qualifications for this position; 2) your current resume or CV; and 3) a list of three references including their contact information (address, telephone number, and email). Apply by October 12, 2018 (applications will be reviewed as received. Submit all application materials through the Jobs at UF online application system at Requisition 508797. Failure to submit the required documents may result in the application not being considered. If you have questions about the application process please contact Tina Marie Litchfield, tlitchfield@uflib.ufl.edu.

AFFIRMATIVE ACTION/EOO
The University of Florida is an Affirmative Action, Equal Opportunity Employer and encourages applications from women and minority group members. We are dedicated to the goal of building a culturally diverse and pluralistic environment; we strongly encourage applications from women, members of underrepresented groups, individuals with disabilities, and veterans. As part of the application process, applicants are invited to complete an on-line confidential and voluntary demographic self-disclosure form which can be found at: http://hr.ufl.edu/data-card/. This information is collected by the University of Florida's Office of Human Resources to track applicant trends and is in no way considered by the Smathers Libraries in the selection process.