POSITION VACANCY ANNOUNCEMENT

POSITION: Digital Library Application Programmer – Application Programmer 2

REPORTS TO: Head, Digital Development

SALARY: Minimum annual salary at $61,500; Actual rate will reflect experience and credentials

REQUISITION #: 511173

DEADLINE DATE: Extended until July 15, 2019 - applications will be reviewed as received

JOB SUMMARY
As a member of the Library Technology Services Department, Digital Development Unit, the Digital Library Application Programmer performs duties related to the creation and support of software applications for the Libraries’ Digital Support Services Department and develops applications and services with an emphasis on the digital library system. Under general direction of the unit head, works to design, develop, test, and deploy digital library applications including software to assist in internal digital workflow and operations. The Digital Library Application Programmer gathers requirements, develops applications, and provides support for digital services and applications.

To support all students, staff and faculty, and foster excellence in a diverse and collaborative society, the Libraries are actively seeking candidates who bring culturally-rich lived experiences to work with individuals of diverse backgrounds, experiences, races, ethnicities, genders, sexual orientation, and perspectives.

The Library Technology Services 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 Library Technology Services 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, implement and maintain web and database systems which effectively deliver digital resources, track resource usage during digitization, and facilitate the compilation of analytical data in support of the Digital Support Services department. The underlying programming, scripting, query, and markup languages involved may include, but are not limited to C#, Microsoft SQL (T-SQL), PHP, JavaScript, HTML5 and CSS, with initial emphasis on C# and Microsoft SQL. Coding 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 digital development team lead and of the
appropriate governing IT Security entity.

Design, implement and maintain all digital production services relational database components (tables, SQL
stored procedures, etc.), and act in capacity of primary or backup administrator of various library-wide
database instances. These duties may include but are not limited to: design of database backup strategy,
connectivity troubleshooting, log review and performance optimization.

Develop, monitor and provide training on the use of quality control procedures to be used in the Digital
Support Services department data workflow.

Liaise between the Digital Support Services department and other UF and UFDC partner entities. In
coordination with affected stakeholders, develop delivery interfaces based on accepted standards and best
practices.

Provide programming and software analysis activities to units outside the Digital Support Services
department as directed by the unit supervisor and department chair.

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.
Support UF’s representation in the digital library communities, particularly key strategic open source
partnerships such as DPN.

OTHER DUTIES
Perform other incidental duties necessary to accomplish the essential functions listed above. Represent the
Library Technology Services Department in internal and external committees, teams and similar work-
groups.

QUALIFICATIONS

Required:
A bachelor’s degree and three years of appropriate experience. Appropriate college coursework may
substitute at an equivalent rate for the required 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:
  o Object-oriented programming languages. Preference given to experience with C# and Java
  o SQL or other database query equivalent and knowledge of relational database models
  o XML and XML schemas
  o HTML and CSS
  o Web scripting languages, in particular javascript
  o User-Interface Design

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- 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 Git source code management.
- Experience with Python.
- Experience with Microsoft Visual Studio (.NET coding environment)
- Experience with Microsoft SQL Server and/or Internet Information Server
- Experience with developing and delivering training
- Commitment to contributing to a respectful and caring community for all, including individuals of diverse backgrounds, experiences, races, ethnicities, gender, sexual orientation, and perspectives

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. UF was ranked 9th among public universities in Forbes’ “America’s Best Employers 2015” and 8th among “Top Public Schools” in U.S. News and World in 2018. 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 at the University of Florida form the largest information resource system in the state of Florida with seven libraries and three off-campus facilities. The George A. Smathers Libraries are comprised of six of the campus libraries, and all of the off-site facilities. The only library outside of this system is Lawton Chiles Legal Information Center at the Levin College of Law. The libraries hold over 6 million print volumes, 8.1 million microfilms, 1.5 million e-books, 145,000 full-text electronic journals, over 1000 electronic databases, 1.3 million documents and 1.4 million maps and images. The libraries maintain partnerships and engages in a variety of collaborative, international projects while engaging with the UF community.

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. We are a member of the Association of Research Libraries (ARL) and other regional library consortia. The library staff consists of more than 300 FTE librarians, technical/clerical staff and student assistants.

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 TECHNOLOGY SERVICES DEPARTMENT
The Library Technology Services 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 Technology Services 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

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screen user support. The Libraries’ 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. The city is surrounded by over 40 nature parks, including many spring-fed lakes and rivers, with many paved and unpaved trails for recreation and is situated just over an hour from the Gulf of Mexico and the Atlantic Ocean. Gainesville is known as an award-winning and innovative city friendly to both professionals and families. The Guide to Greater Gainesville combines award winning photography and compelling articles that capture all of the reasons for calling 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
- a cover letter detailing your interest in and qualifications for this position
- your current resume or CV
- a list of three references including their contact information (telephone number and email address)

Apply by July 15, 2019 (applications will be reviewed as received). Submit all application materials through the Jobs at UF online application system at Requisition 511173. Failure to submit the required documents may result in the application not being considered. If you have any questions or concerns about this process please contact Tina Marie Litchfield, George A. Smathers Libraries Human Resources Office, at tlitchfield@uflib.ufl.edu.

AFFIRMATIVE ACTION/EEO
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.