

## **Research Informatics Specialist**

The University Libraries seeks to recruit a technical professional who has a passion for the higher education environment to support data-intensive research and digital scholarship projects. The Research Informatics Specialist is a member of the Digital Scholarship and Data Services department which resides within the Digital Strategies and Innovation division. Reporting to the Director of Digital Scholarship and Data Services, this role performs information engineering in the form of automation, storage, and retrieval of information through the use and development of cyberinfrastructure.

The primary support focus for this role is research endeavors spanning STEM, Social Science, and Digital Humanities, and may be included in grants as a project resource. The Research Informatics Specialist works closely with other researcher support roles. An ideal candidate will have a proven record of working independently and managing multiple priorities at one time.

### **Position Responsibilities:**

#### **Providing Research Informatics Services**

- Serves as a consultant and collaborator by helping researchers across OU's research domains to develop plans for addressing computing and data needs.
- Helps teams to innovate, evaluate, develop and deploy new knowledge creation and management technologies.
- Guides in identifying and selecting engineering informatics tools, e.g. automating dataset ingest mechanisms.
- Consults with the Research Data Specialist to identify and evaluate data assets.
- Participates in data audits and associated data assessment activities.
- Develops technologies and processes for data access and sharing, visualization, preservation, and general data management.
- Consults with researchers to provide informatics solutions and support.
- Performs other duties as assigned.
- Serves as a consultant helping researchers in OU's research domains to curate and archive digital data and to solve information/data-related problems.

#### **Outreach**

- Participates in education, outreach, and training on information and data science, including policy, access, and technology issues.
- Participates in the planning and development of digital and e-research programs that address researchers' content/information/data-related needs.
- Engages in partnerships to develop technologies and processes for data access and sharing, visualization, preservation, and general data management.

### **Program Analytics and Insights**

- Participates in data collection and reporting in support of program assessment and data-driven decision-making.
- Performs data-driven analysis to drive continuous improvement of accessibility and usability of tools and resources.

### **Campus Contributions and Professional Activity**

- Participates in library and university committees.
- Publishes and presents work-related topics and research.
- Serves and participates in professional activities at the local, state, regional, national, and international levels as appropriate to position and experience.
- Maintains up-to-date professional knowledge and contacts in areas related to primary job assignments.

### **Qualifications:**

#### **Education and Experience:**

Bachelor's degree **AND:**

- 24 months of experience in application and software development.

**Equivalency substitution: Will accept 48 months related experience in lieu of the Bachelor's degree for a total of 72 months related experience.**

#### **Skills:**

- Ability to work with diverse groups of people in a respectful, equitable and inclusive way
- Excellent oral and written communication skills, including the ability to effectively communicate with end-users at varying technological skill levels.
- Demonstrated high-level technology proficiency and capabilities working with computing systems, disk arrays, computers and software, the Web, and social media.
- Demonstrated ability in programming in one of the following languages: Python, R, JavaScript, SQL
- Experience with data visualization and text mining tools.
- Ability to build and sustain effective interpersonal relationships and work collaboratively in a diverse and fast-paced environment.
- Analytical skills, creative and innovative problem-solving skills, and a strong commitment to service excellence.
- Outstanding organizational, project, and time management skills to lead multiple projects.

**Preferred Qualifications:**

- Advanced degree.
- Experience working with Unix / Linux command line tools.
- Familiarity with web frameworks such as Drupal or Django.
- Experience with workflow automation using Celery, Apache Airflow, or other similar frameworks.
- Demonstrated knowledge of ontology tools, and technologies supporting humanities research, e.g. Nvivo, ATLAS.ti, XML, CIDOC-CRM, Geovocab.
- Experience working in an environment that involves complexity and change.
- Experience in writing and/or managing grants.
- Experience in working with grant funded researchers.
- Ability to teach others in group and/or one-on-one settings.

**About University Libraries**

University Libraries seeks to create an atmosphere in which diverse thought and experiences are valued and that promises opportunities to succeed and thrive. Named an “Education Futurist” and recipient of a Campus Technology Innovators Award, the University of Oklahoma Libraries’ award-winning facilities and resources create opportunities for faculty and students to excel. We invest in our organization by recruiting individuals committed to superior user experience and by actively strengthening and expanding our skills and capabilities.

The University of Oklahoma Libraries’ team consists of 16 library faculty, 51 professional staff, and 35 classified staff, as well as graduate and undergraduate assistants. Facilities include the Bizzell Memorial Library located in the heart of campus, Monnet Hall, hosting the Western History Collections, and three branch libraries: Architecture Library, Youngblood Energy Library, and Fine Arts Library. Affiliated OU libraries, not within the administrative oversight of University Libraries, include: the Donald E. Pray Law Library on the Norman campus, Robert M. Bird Health Sciences Library on the Oklahoma City campus, and the Schusterman Library on the Tulsa campus.

The University of Oklahoma Libraries is the largest academic research library in the state of Oklahoma containing more than 5.4 million volumes (including 1.8 million eBooks), 3.6 million microform materials, over 300 databases, and 170,000 serials. Outstanding special collections include the History of Science Collections, with 100,000 volumes; the Western History Collections, with over 12,000 linear feet of manuscripts, 2 million photographs, 80,000 volumes, 2,700 sound recordings, 5,000 cartographic resources, and 580 works of art; the Harry W. Bass Business History Collections, with over 23,000 volumes; the John and Mary Nichols Rare Books and Special Collections, with over 12,000 volumes; and the Chinese Literature Translation Archive, which houses nearly 10,000 volumes and thousands of documents relating to translators of modern Chinese literature in the West.

University Libraries is a member of the Association of Research Libraries, Center for Research Libraries, Coalition for Networked Information, Greater Western Libraries Alliance, Scholarly Publishing and Academic Resources, Council on Library and Information Resources, Digital Public Library of America, HathiTrust, Western Storage Trust, Open Textbook Network, Library Publishing Coalition.

## About the University

[The University of Oklahoma](#) serves the educational, cultural, economic, and healthcare needs of the state, region, and nation from three campuses: Norman, Health Sciences Center in Oklahoma City, and Tulsa Schusterman Center. The university is home to over 31,000 students, more than 3,500 faculty and 8,000 staff across all three campuses and is supported by a \$2 billion budget and an endowment of \$1.52 billion. In 2014, OU became the first public institution ever to rank #1 nationally in the recruitment of National Merit Scholars. The 277-acre Research Campus in Norman was named the No. 1 research campus in the nation by the Association of Research Parks in 2013.

The central campus and administrative offices of the University of Oklahoma are located in Norman, a city of more than 120,000 residents. Norman is often cited in “best places to live” rankings and is a culturally rich and vibrant community with outstanding schools, amenities, and a low cost of living. See [visitnorman.com](http://visitnorman.com) for more information about Norman. The state capital, Oklahoma City, is located 20 miles to the north. With over 1.35 million residents and a unique central plains heritage, the Oklahoma City metro is home to a diverse and lively array of arts, culture, dining, sports, and entertainment. For more information about Oklahoma City, see [visitokc.com](http://visitokc.com)

## Applications

All applications must include a cover letter, resume and list of three professional references. Hiring will be contingent upon submission of academic transcripts. Interested individuals may review the full position description at [libraries.ou.edu/jobs](http://libraries.ou.edu/jobs). To apply for this position, go to <https://jobs.ou.edu> and search for [job number 240734](#).

**Why You Belong at the University of Oklahoma:** The University of Oklahoma fosters an inclusive culture of respect and civility, belonging, and access, which are essential to our collective pursuit of excellence and our determination to change lives. The unique talents, perspectives, and experiences of our community enrich the learning, and working environment at OU, inspiring us to harness our innovation, creativity, and collaboration for the advancement of people everywhere.

## Equal Employment Opportunity Statement

The University of Oklahoma, in compliance with all applicable federal and state laws and regulations, does not discriminate based on race, color, national origin, sex, sexual orientation, genetic information, gender identity, gender expression, age, religion, disability, political beliefs, or status as a veteran in any of its policies, practices, or procedures. This includes, but is not limited to, admissions, employment, financial aid, housing, services in educational programs or activities, and health care services that the University operates or provides.