DATA VISUALIZATION AND GIS SPECIALIST

**Posting ID:** EM17A1355F  
**Company:** UNLV Libraries  
**Position Type:** Full-Time  
**College Major(s):** Computer Science (CS)

**Company Website:** [https://www.library.unlv.edu/](https://www.library.unlv.edu/)

**Work Location:** Las Vegas, NV

**Salary:**

**College Level(s):** Undergraduate-Senior, Graduate Student, PhD. Student

**OVERVIEW**

As a strong partner in student learning, University Libraries' fosters critical thinking and lifelong learning with innovative services, entrepreneurial staff, outstanding digital collections, up-to-date technology and internationally renowned Special Collections. In support of the University Libraries' mission and shared values, the Research and Education Division fosters collaborations that contribute to our users' academic success, research, and lifelong learning. The Division positively impacts student learning and supports the research and scholarly agenda of the University. This mission is realized through instruction of learners using a variety of methods and tools; partnerships with faculty to create an integrated, accessible, information literacy-focused curriculum; provision of targeted information resources; expert, point-of need research assistance; expert-facilitation for the creation of new knowledge, and a commitment to fostering competencies for lifelong inquiry including data literacy.

As a key member of the newly-formed Department of Knowledge Production, the Data Visualization & GIS Specialist will design and deliver individual and group instruction related to information visualization through face-to-face and virtual learning experiences. Through outreach to faculty, students, and interdisciplinary campus groups, the Specialist exercises leadership and expertise in developing and evolving data visualization as a key aspect of information literacy and knowledge creation across disciplinary boundaries. Additionally, the Specialist will identify, investigate, evaluate, and implement emerging hardware, software, and technologies related to data visualization and GIS capabilities in order to connect the Libraries with the emerging data needs of the University.

**Roles and Responsibilities**

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**Education and Qualifications**
A bachelor's degree from a regionally accredited college or university and one year related professional in an academic or public library setting or other type of educational setting. Demonstrated skill, and capacity to teach and engage students in ways that contribute to student success
Working knowledge and/or experience with data visualization and GIS technology and practices
Interest in developing infrastructure for geospatial and data visualization projects in libraries
Knowledge of the intersections of spatial and non-spatial data in disciplinary and interdisciplinary spaces such as GeoHumanities
Current experience with and/or working knowledge of data analyzation packages such as SPSS, STATA, R, and atlas.ti
Proficiency in at least one of the following applications for facilitating data research: Python, Ruby, SQL, R, or Make
Working knowledge and/or experience with Adobe Creative Cloud products and an interest in creating compelling visuals based on quantitative and qualitative data
Ability to explore, test, and recommend emerging technologies for exploration in data and GIS services using evidence-based research and design principles
Aptitude for developing and supporting community-driven learning experiences
Ability to educate faculty, staff, and students in individual and group settings
Ability to work creatively, collaboratively, and effectively to promote teamwork, diversity, equality, and inclusiveness within the Libraries and the campus
Excellent oral and written communication skills including the ability to describe relatively complex technical concepts to a non-technical audience

**Preferred Skills**
Demonstrated aptitude for quickly learning new tools and technologies
Current experience with and/or working knowledge of geospatial data and GIS software packages including ArcGIS, ESRI Storymaps, and other ESRI products
Understanding of data research lifecycle and specific aspects such as data identification, management, analysis, and visualization
Demonstrated proficiency with any combination of contemporary operating systems (Windows, macOS, etc.) and productivity software (Microsoft Office, Google Apps, etc.). Working knowledge of library-related software (Springshare, LSPs, etc.)
Knowledge of information literacy principles as they apply to the creation of new knowledge is preferred
Degree in statistics, data science, or geography

**How to Apply**