

Position Information

Required Applicant Documents	Resume Cover Letter Other Document 1
Job Title	GIS/Web Application Specialist
Requisition Number	07183
Job Summary	<p>The GIS/Web Application Specialist will work with faculty, ITEC team members and other Library & IT staff to develop, integrate, and implement web-based applications that will advance the University's academic mission and promote Bucknell's reputation as a leader in GIS/Digital Scholarship initiatives. This position is a member of Bucknell's instructional technology team (ITEC) and reports to the Assistant Director for Instructional Technology and works closely with the GIS Specialist but will also partner on an occasional basis with web developers from the Library & IT Enterprise Systems team.</p>
Duties and Responsibilities:	<p>The successful candidate for the GIS/ Web Application Specialist role will bring a unique set of skills and interests to the job, including:</p> <p>Strong background in ArcGIS desktop including data/project development, visualization and spatial analysis</p> <p>Experience and proficiency in working with datasets and multi-media objects in a wide range of formats (spreadsheets, text, video, images, etc.)</p> <p>Creativity and talent for telling stories with maps and turning data into meaningful visualizations</p> <p>Strong aesthetic/design sense along with the deep technical skills required to build out and support a broad range of web applications</p> <p>Enthusiasm for digging into a diversity of projects and technologies, and for learning new tools, programming languages and application development skills.</p> <p>Interest in creative problem-solving, the application of emerging technology, and providing highly-responsive, high-quality service</p> <p>Intellectual curiosity and a commitment to custom-fitting web solutions to meet the very specific, nuanced requirements of a wide array of faculty partners & digital scholarship projects</p> <p>Interest in working with a small, collaborative team on meaningful projects</p> <p>Commitment to learning and adhering to programming/web development standards adopted by the Library & IT Enterprise Systems team, e.g., standards for testing functionality to meet client specifications; developing reports and documentation (technical and end user); observing protocols on code review, reusability and versioning; implementing best practices for usability and user testing.</p> <p>GIS/ Web Application Specialist combines strong GIS and web development skills with aesthetic design skills and the ability to turn complex data into meaningful visualizations. He/She partners with faculty and ITEC staff to create a model for how web-based GIS/Digital Scholarship projects are produced at Bucknell. The mission of the GIS/Web Application Specialist is to create customized, interactive and highly-innovative GIS/digital scholarship applications that can be used in the classroom and to showcase faculty/student research to a broader, public audience.</p>
Duties and Responsibilities:	
Minimum Qualifications	<p>Bachelor's degree required.</p> <p>Extensive GIS project experience.</p> <p>One to three years (or more) of experience in web application development & support in an academic or professional setting.</p>

Excellent communication skills (written and verbal), including the ability to convey technical concepts to non-technical partners.

Evidence of being a collaborative team player and having the ability to establish and maintain healthy working relationships with diverse colleagues.

Ability to manage multiple projects effectively, often working under tight deadlines including taking a leadership role in project management.

Self-starter attitude with demonstrated ability to fulfill a variety of functions in a collaborative work environment with minimal direct supervision.

Demonstrated experience with one or more of the preferred qualifications noted below, such as ArcGIS Server, scripting languages such as JavaScript, or XML, AJAX, etc.

Preferred Qualifications

Experience using ArcGIS Server to create map services and manage spatial data in an RDBMS.

Experience using an RDBMS (such as SQL Server) and a content management system.

Experience with open source or commercial geospatial toolkits like OpenLayers, GeoServer, PostGIS, and GoogleMaps.

Experience with new media solutions such as Omeka, Neatline, Drupal and WordPress.

Experience with JavaScript and other core web technologies (HTML/CSS/JS).

Experience with XML, AJAX, JSP, and PHP.

Experience with developing mobile applications.

Physical Demands:

Special Instructions to Applicants

Submit three names of references along with resume (Other Document 1).

Bucknell University values a diverse college community and is committed to excellence through diversity in its faculty, staff, and students. Bucknell University welcomes applications from women and minority candidates.

Department

Library & Information Technology

Job Posting Date

01-24-2013

Applicant Review Date

02-18-2013

Job Close Date

Open Until Filled

Job Category

Exempt

Job Type

Regular Full-Time

Benefits Eligible

Benefits Eligible

Work Schedule

12 month

Position Type

Staff

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