The Extension Software Engineer serves as a regular, full time, 12 month academic professional with primary responsibility for designing, developing, and supporting digital tools to enhance Extension’s daily processes. These tools include: Website content management, data analytics and visualization, internal business applications, workflow processes, and university systems integration. This position will collaborate with the Extension Administration and web team colleagues in furtherance of the administrative and programmatic needs of Extension.

One full time position is available.

**Location:** Urbana-Champaign Campus

*This is a security-sensitive position. Comprehensive background checks, including but not limited to a criminal conviction information check, a CANTS check, and a review of the Registered Sex Offender list, will be conducted.*

**Specific responsibilities of the Software Engineer are as follows:**

- Conduct analysis of Extension tools.
- Design and implement new Extension tools and features ensuring application specifications to meet Extension’s needs.
- Maintain, evaluate, and support U of I Extension tools and data bases.
- Provide leadership in the development and maintenance of Extension tools.
- Develop and deploy data-base driven websites and web applications in support of Extension’s educational mission.
- Develop and maintain website content management systems and tools.
- Develop Extension systems that integrate with University financial and administrative systems (including Banner).
- Develop data analysis and visualization tools.
- Work directly with authors and customers to prioritize system requests and resolve issues independently.
- Experiment with new technologies relevant to the area of tools development.
- Collaborate with colleagues in the Extension web team to improve the overall software design, development, testing, release, and support processes.
- Provide excellent user support and problem troubleshooting.
- Assume responsibility for project leadership, software development lifecycle, user interface design, and project management.
- Produce documentation of tools including requirements and design documents, code documentation, user documentation and other reports as needed.
• Ensure the protection and security of data that is accessed, collected or stored by web applications and databases.
• Develop plans for personal growth and competence.
• Perform other duties and responsibilities as may be assigned by the Extension Web Team Manager.
• Comply with Affirmative Action Equal Opportunity policies and guidelines in all aspects of University work and responsibilities.

Administrative Relationship: The Extension Software Engineer is administratively responsible to the Extension Web Team Manager.

Qualifications:
• Required: B.S. in Computer Science or related field from an accredited institution of higher education. Three years of experience in computer programming, web application development, and database management. Extensive knowledge of JavaScript, SQL, MVC, RESTful API, and ColdFusion/PHP, and a willingness to learn new programming languages and frameworks. Evidence of strong interpersonal and teamwork skills. Strong written and verbal skills. Experience in industry standard processes including accessibility issues.

• Preferred: M.S. in Computer Science or related field from an accredited institution of higher education. Experience in continuous integration and quality control using a version control system (SVN). Experience in unit testing, debugging, refactoring and code review. Experience in software development lifecycle, quality assurance, release management, problem resolution and user interface design. Understanding of data analysis and visualization tools and techniques. Experience in integration with large-scale administrative systems such as Banner. Experience with Microsoft SharePoint. Strong skills in database creation and management (in a MS SQL environment).

Additional Information
The position is a full-time, benefits-eligible, non-tenure, academic professional position appointed on a 12-month service basis. The expected start date is as soon as possible after the closing date. Salary is commensurate with experience and qualifications. Generous vacation and sick leave. State Universities Retirement System. Group health, dental, vision and life insurance.

Application Procedure: To apply, go to http://go.illinois.edu/A1500034. Log in to your account and upload a cover letter and resume, as well as the names and contact information of three professional references. Transcripts may be requested at a later date. To receive full consideration, all requested application materials must be submitted via the online system by the close date of February 20, 2015.

For further information about the position please contact Anne Silvis atasilvis@illinois.edu. For technical assistance with the online application process, call 217-333-6747 or email jobs@illinois.edu.

Illinois is an equal opportunity employer and all qualified applicants will receive consideration for employment without regard to race, religion, color, national origin, sex, age, status as a protected veteran, or status as a qualified individual with a disability. Illinois welcomes individuals with diverse backgrounds, experiences, and ideas who embrace and value diversity and inclusivity (www.inclusiveillinois.illinois.edu).