Champaign County Regional Planning Commission

POSITION DESCRIPTION

Position Title: Software Development Intern

Reports To: Data and Technology Manager

Supervises: None

FLSA Status: Nonexempt

Pay Grade: 1

General Duties:

The Software Development Intern is responsible for building on a successful energy efficiency database web application. The Software Development Intern will assist with development and testing of the Ameren Illinois Community Partner Data Portal, a Python web application developed by CCRPC on behalf of Ameren Illinois. The Community Partner Data Portal is used to track, visualize, and report on community-based energy efficiency projects throughout Ameren Illinois' service territory.

Specific Duties and Responsibilities:

- Refactor and standardize Python code, JavaScript, and templates
- Develop unit tests to prevent regressions
- Improve continuous integration and deployment processes
- Write developer documentation
- Train users and provide technical support

Required Knowledge, Skills, Characteristics and Abilities:

- At least two years of progress toward a degree in Computer Science or a related field, or equivalent work experience
- Advanced Python skills and intermediate JavaScript skills
- Experience with relational databases and web frameworks like Django
- Basic understanding of Geographic Information Systems (GIS) and spatial data
- Knowledge of version control systems like Git

Essential Functions:

Reasonable accommodations may be made to enable individuals with disabilities to perform the essential functions.

- Sitting/standing at a desk approximately 90% of workweek.
- Lift and carry equipment necessary to complete work, approximately 20 pounds.

Competencies:

- **Decision-Making and Analytical Skills**: Ability to make administrative and procedural decisions; ability to interpret policy and establish methods and procedures; ability to determine work procedures, assign duties, promote efficiency; collaborate with relevant leadership regarding strategic planning, marketing, and process improvements. Perform professional level work requiring a wide range of administrative, technical, budgeting, finance, legal or managerial methods applied to complex problems.
- **Motivation to Succeed:** The willingness to take self-directed or self-motivated actions to do more than is expected in the job with the aim of improving job performance and finding or creating new opportunities. Actively looks for challenges and is committed to meeting them. Enables others to acquire the tools and support they need to continuously improve their respective performance levels. Shows eagerness to develop. Is proactive in searching for new opportunities for both, himself/herself and for the organization, and follows up on these. Is willing to go beyond the requirements of the job and take on responsibilities that are not considered his/her own.
- **Collaboration:** Ability to work cooperatively with others, to be part of a team, to work together, as opposed to working separately or competitively. Collaboration applies when a person is a member of a group of people functioning as a team, but not the leader. Acts to promote good working relationships regardless of personal likes or dislikes; breaks down barriers across groups; builds good morale or cooperation within the team, including creating symbols of group identity or other actions to build cohesiveness; encourages or facilitates beneficial resolution to conflict.

- **Communication Proficiency:** Demonstrates the ability to speak to a variety of audiences in an effective and understandable manner; presents complex program related information to internal and external stakeholders; capable of communicating information in a variety of ways based on the audience.
- **Problem Solving/Analysis:** Even in the most complex situations, breaks down problems into their fundamental parts, identifies their root causes, analyzes costs, benefits, risks, and chances for success of potential solutions, and creatively attacks problems in ways that lead to innovative solutions.
- **Decision Making:** The thought process of selecting a logical choice from the available options. When trying to make a good decision, a person must weigh the positives and negatives of each option, and consider all the alternatives. For effective decision making, a person must be able to forecast the outcome of each option as well, and based on all these items, determine which option is the best for that particular situation.
- **Interpersonal Skills:** The qualities and behaviors a person uses to interact with others properly. An employee's ability to work well with others while performing their job. Knowledge of social expectations and customs. Sometimes described as social intelligence, which relies on paying attention to the actions and speech of others and interpreting them correctly as part of forming a response.
- **Time Management:** The process of planning and exercising conscious control of time spent on specific activities, especially to increase effectiveness, efficiency, and productivity. It involves a juggling act of various demands with the finiteness of time.
- **Ethical Conduct:** Demonstrates a sense of agency responsibility. Driven by positive moral principles that govern their approach to their work.

Work Environment:
- Office work will be performed in an open cubicle environment sometimes involving distractions.
- Frequent near-vision use for reading and computer work

Disclaimer:
The job description is not designed to cover or contain a comprehensive listing of activities, duties, or responsibilities that are required of the employee. The description contains examples of duties and responsibilities that may or may not be considered "essential functions" to a particular job or position within this job class. "Essential functions" are to be determined at the position or job level within each department. Other duties, responsibilities, and activities may change or be assigned at any time with or without notice.

Signature of Employee _____   Date _____

Revised: 5/11/20