# **Job Title**

Data Scientist – Energy Conservation Measure (ECM) Program

**Purpose**

The Data Scientist is responsible for the development and implementation of digital projects related to various energy conservation measures that will enable us to provide high-value, custom fit energy solutions for the Ohio State Columbus campus. This program is a “start-up” business and this role is fitting for a driven, creative and ambitious individual that is excited to embrace the team culture of a successful start-up organization.

**Location/Department**

Columbus, OH

**Internship Term**

The internship work term will be from October 2018 – May 2018, 10 hours per week minimum.

**Status**

Non-Exempt; Hourly

**Responsibilities**

* Implement the ENGIE Digital Platform that will connect building smart meters and building management systems with the distribution network (steam, chilled water, electrical) and current and future on-site generation resources (boiler and chiller plants, future renewable generation, etc.).
* Update and integrate data sources and develop algorithms through machine learning to improve the accuracy of the energy forecast model.
* Create alarms to capture the Energy Use Intensity (EUI) datapoints outside of confidence interval for on-campus buildings and develop root cause analysis study.
* Participate in the continuous development of the digital platform through internal and/ or external resources. This requires drafting the project documents such as scope of work, schedule, budget, etc.
* Analyze the effects of the Energy Conservation Measures (ECM) on the EUI to validate the guaranteed energy savings.
* Maintain the website that serves as the public interface of the platform.

**Required Skills**

* Ability to meet highest attendance requirements
* Ability to communicate effectively, both written and verbally
* Expected graduation 2019
* Database management: SQL and NoSQL.
* Development languages: Java, JavaScript, HTML, CSS, Python.
* Knowledge in API Management.
* Ability to handle multiple assignments on a timely basis with a high degree of accuracy
* Strong interpersonal skills
* Strong organizational, prioritization and time management skills.
* Demonstrated ability to take initiative.
* Excellent oral, written, and communication skills.

**Minimum Education/Experience**

* Pursuing B.S. or M.S. in Computer Science and Engineering or in related field
* Prefer GPA of 2.5 or higher

## Working Environment

Work environment characteristics described here are representative of those that must be met by an employee to successfully perform the essential functions of this job. Reasonable accommodations may be made to enable individuals with disabilities to perform the essential functions.

While performing the duties of this job, the employee is not exposed to weather conditions.

The noise level in the work environment is usually moderate.

**“All qualified applicants will receive consideration for employment without regard to race, color, sex, sexual orientation, gender identity, religion, national origin, disability, veteran status, or other legally protected status”**.