Job Title	Energy Performance and Data Analysis Intern
PVN ID	VA-2502-006715
Category	Research
Location	OFFICE OF SR. UNIV DEAN FOR ACADEMIC AFFAIRS
Department	DCAS, Division of Energy Management
Status	Part Time
Hourly Rate	$18.00-$21.00
Hour(s) a Week	20.00-34.00
Closing Date	May 13, 2025 (Or Until Filled)

General Description

Through its partnership with the City of New York, CUNY's Building Performance Laboratory is hiring qualified energy management professionals to serve as on-site consultants and fill critical staffing capacity needs at the Department of Citywide Administrative Services' ("DCAS") Division of Energy Management ("DEM"). For background, DEM serves as the hub for energy management for City government operations. DEM develops the City's annual Heat, Light, and Power Budget; manages the City's electricity, natural gas, and steam accounts; helps agency partners identify and pursue energy-saving opportunities; does energy efficiency and clean power generation projects across the City's portfolio; and implements operations and maintenance best practices. Specifically, DEM is tasked with leading the City's efforts to reduce emissions from City government operations 40 percent by 2025, 50 percent by 2030, and 80 percent by 2050 from baseline.

For this specific role, on behalf of DEM, CUNY BPL seeks to hire a Energy Performance and Data Analysis Intern to help reduce emissions and energy consumption across the City by supporting key initiatives and contributing to the analysis of energy data, assisting in optimizing EV charging station performance, exploring machine learning applications for energy management, and performing quality assurance reviews. This role is ideal for individuals interested in sustainability and applying data-driven approaches to energy management challenges.

NYC residency may be required for continued employment. Immigration sponsorship is not available through this program. This is an on-site position based in 1 Centre St, New York, NY.

Other Duties

- Data Analysis and Visualization: Analyze energy and GHG emissions data to identify trends and create actionable visualizations
- EV Station Optimization: Assist in analyzing user comments and usage data to identify issues and recommend improvements

- Machine Learning Research: Support the exploration and prototyping of machine learning applications for energy management
- Quality Assurance: Assist in review and verify energy account data to ensure accuracy and integrity across systems
- Reporting and Recommendations: Prepare reports and provide insights to guide energy efficiency and sustainability initiatives
- Other duties as assigned

Qualifications

The ideal candidate will bring the following skills and experience to this position:

Minimum Qualifications:

- Graduate-level coursework in data analytics, computer science, sustainability, or a related field
- Proficiency in Python, SQL, or other data analysis tools
- Strong written and verbal communication skills
- Accuracy and attention to detail in reviewing data
- Ability to conduct research and synthesize findings into insights

Preferred Qualifications:

- Experience using visualization tools like Power BI or Tableau
- Familiarity with energy management principles and GHG emissions tracking
- Knowledge of natural language processing (NLP) techniques
- Strong critical thinking and problem-solving skills
- Adaptability and eagerness to contribute to innovative solutions