

Job Title	Jr. Technology Specialist - Intern
PVN ID	VA-2205-004800
Category	Research
Location	OFFICE OF SR. UNIV DEAN FOR ACADEMIC AFFAIRS
Department	CUNY Building Performance Lab
Status	Part Time
Hourly Rate	\$16.00-\$18.00
Hour(s) a Week	35.00-70.00
Closing Date	Sep 30, 2022 (Or Until Filled)

General Description

Organizational Description:

The CUNY Building Performance Lab (CUNY BPL) provides mission-critical support to the Department of Citywide Administrative Services' Division of Energy Management (DEM) and its client agencies for implementing New York City's ambitious climate and clean energy policies. CUNY BPL staff have expertise in a wide range of areas related to building systems, operations and data, and the design and construction process. This includes: energy data analytics (monthly and real-time meter data); building energy modeling (EnergyPlus and others); measurement and verification (IPMVP and ASHRAE protocols); HVAC systems; building controls; data acquisition (via BAS or field equipment); and operational improvements via Pacific Northwest National Lab's Building Re-tuning protocol. The organization works collaboratively with industry professionals, other research institutions, and several of the US DOE's National Labs; and is a participating member of the Center for Building Energy Smart Technologies (BEST), an Industry-University Cooperative Research Center funded by the National Science Foundation (NSF) (https://www.nsf.gov/awardsearch/showAward?AWD_ID=2113874) in city-scale building energy systems and informatics. CUNY BPL also runs an extensive internship program for CUNY students that provides real world experience and hands-on work in each of the organization's program areas.

General Description:

The CUNY BPL Technical Services (TS) team is seeking interns to work on applied research projects in the building energy and efficiency field through June 30, 2023, and possibly through 2024. The TS team supports DEM with pre- and post-retrofit measurements on energy efficiency and carbon reduction projects, with the goal of characterizing project results and improving realization rates. CUNY BPL's TS team also researches best practices and next generation tools and techniques to streamline the measurement and savings prediction process, conducts in-depth analyses, develops guidance documents and training materials, and provides field equipment and technical assistance to agency personnel for project development and execution. This work includes general system measurement and performance evaluation to support planning, implementation, and

verification across a wider range of teams and activities at DCAS DEM.

CUNY BPL is working with DEM staff to develop an ecosystem road-map that incorporates internal and external platforms and tools throughout DEM. This project includes testing of platforms and tools and working alongside CUNY BPL teams, DEM teams and third party vendors.

Other Duties

Work involves familiarization with internal and external software applications related to building energy analysis and building energy surveying, quality assurance, user acceptance testing, technical writing (guides, reporting issues, training materials), attending meetings with CUNY BPL product manager and other teams, working with building asset and energy related datasets and content management systems. Part of the work may involve visiting municipal and commercial buildings in coordination with the CUNY BPL field equipment management specialist.

Qualifications

Ideal candidate will be a detail oriented self-starting individual enrolled in a degree program in engineering (electrical, mechanical, environmental), architecture, or building mechanical systems, and be proficient in Microsoft Office, Google business apps, experience with version control systems like Github or Gitlab and familiar with content management systems like Salesforce and WordPress.