



# Daniel Jimenez

EIT, CEM

## Energy Engineer

Daniel is an Energy Engineer with a Bachelor's degree in Mechanical Engineering from the Macaulay Honors College at CUNY. He has extensive knowledge of engineering principles and measurement and verification (M&V) techniques. Daniel also has experience with blower door performance testing, weather-normalized energy analysis, ASHRAE Level 3 energy audits, as well as Commissioning planning and execution. His hands-on experience includes work with multifamily and municipal buildings, logger deployment and data collection, and statistical data analysis.

## EDUCATION

The City University of New York

William E. Macaulay Honors College

Bachelor of Engineering in Mechanical Engineering 2021

## RELEVANT EXPERIENCE

- Conducted ASHRAE Level 3 audits and energy conservation recommendations for diverse clients.
- Performed LL87 audits to aid clients in planning a pathway to achieve carbon emission compliance.
- Investigated and validated customer billing data to support a gas distribution forecasting tool, aimed towards infrastructure planning.
- Responsible for all aspects of the energy auditing process, including utility bill analysis and normalization to TMY3 data, and end use breakdowns.
- Completed blower door performance testing in adherence with BPI standards for multifamily buildings.
- Supervised energy services personnel, including work allocation, training, promotion and enforcement of internal procedures and control, and problem resolution.
- Spearheaded the commissioning process, including design and construction document review, commissioning plan creation, and on-site equipment verification for a variety of hospitals and universities.
- Established M&V instructional documentation, standards, and coaching materials for municipal energy managers.
- Co-authored annual segmentation analysis report on municipal facilities portfolio to determine energy consumption by utilizing SQL queries.
- Conducted statistical analysis, using Excel, on a variety of municipal buildings to determine weather-dependent energy consumption.
- Created Measurement and Verification plans in adherence with IPMVP standards and performed data analysis with BMS trend data to ensure intended operations and energy savings.
- Provided post-project measurement and verification for 12 months post-completion by creating a comprehensive plan, establishing baselines, monitoring performance, conducting data analysis and comparisons, and reporting findings to owners, stakeholders, and project sponsors..

## CERTIFICATIONS AND SKILLS

Certifications:

- Engineer-In-Training (EIT)
  - New York, NCEES ID 20-880-78
- Building Performance Institute (BPI)
  - Building Science Principles
- The Association of Energy Engineers
  - Certified Energy Manager (CEM)
- The American Society of Heating, Refrigerating and Air-Conditioning Engineers
  - (ASHRAE) Level 3 Audit
- Occupational Safety and Health Administration (OSHA)
  - 10 Hour Construction Safety and Health

Skills:

- Software
  - Python Data Analysis, Microsoft, Office Suite, SQL, Helioscope, SolidWorks, Autodesk Fusion 360, KiCAD



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