



# Kristofer Karlic

EIT

## Energy Engineer

Kristofer is an Energy Engineer with a Bachelor's degree in Mechanical Engineering from SUNY Maritime College. He has extensive knowledge of engineering principles and mechanical HVAC design which opened the door for him to the energy consulting industry. Kristofer has experience with ASHRAE Level 2 audits, as well as Clean Heat site inspections. Kristofer also has experience with 3-D mechanical part design and manufacturing. His hands-on experience includes work with manufacturing equipment, mechanical HVAC equipment, and detailed site surveys.

## EDUCATION

The State University of New York Maritime College

Bachelor of Engineering in Mechanical Engineering 2024

## RELEVANT EXPERIENCE

- Performed multiple ASHRAE Level 2 energy audits to survey existing equipment, execute energy and cost-saving calculations, and develop energy audit reports to satisfy client demand
- Created energy models using eQuest to provide detailed energy analysis based on clients' conditions
- Inspected numerous Pre- and Post-Clean Heat Inspection sites to verify pre-installation configurations and post-installation correctness and operation
- Developed HVAC mechanical drawings for commercial projects based on client and supervisory requirements
- Assisted in responding to RFIs (Requests for Information) to resolve issues and clarify drawings for contractors
- Performed site visits to ensure proper installation of systems based on given mechanical drawings
- Executed load calculations for multiple projects to accurately size mechanical equipment to meet cooling & heating specifications
- Sized critical HVAC equipment including rooftop units, evaporators, condensers, and various air distribution components such as ductwork, piping, diffusers, and fans
- Engineered and manufactured a remote-controlled boat capable of meeting design specifications including speed, water sample collection, and operational duration
- Collaborates closely with supervisors and team members ensuring alignment and clear communication throughout the design and manufacturing process
- Consistently meets project deadlines by efficiently managing tasks and prioritizing deliverables throughout all stages

## CERTIFICATIONS AND SKILLS

Certifications:

- Occupational Safety and Health Administration (OSHA)
  - 10 Hour Construction Safety and Health

Skills:

- Engineering
  - Energy Audits, Energy Calculations, Site Inspections, Mechanical Design, HVAC Design, Engineering Calculations, Equipment Sizing, Mechanical Drawings, Technical Writing
- Software
  - eQuest, Revit, AutoCAD, Autodesk Fusion 360, TRANE 700, Microsoft Office Suite



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