



# Carl Aladin

## Energy Engineer

Carl is an Energy Engineer at Harris Energy Solutions with experience in commissioning, retro-commissioning, and QA/QC inspections. He graduated from Worcester Polytechnic Institute with a Master of Science in Business Management and a Bachelor of Science in Mechanical Engineering. Carl has a strong focus on optimizing existing systems for enhanced performance and efficiency, conducting detailed assessments for HVAC, lighting, and building automation systems.

## EDUCATION

### Worcester Polytechnic Institute

Master of Science in Business Management 2020

Bachelor of Science in Mechanical Engineering 2020

## RELEVANT EXPERIENCE

- Executed new building commissioning for building HVAC systems
- Systems include ventilation, controls, chillers, and boilers
  - Compilation of the commissioning plans
  - Design documentation reviews
  - Start-up, pre-functional, and functional checklist creation
  - Execution of checklists
  - Issues database management and resolution
  - Generation of the final commissioning report
- Performed professional retro-commissioning with a focus on optimizing existing systems for enhanced performance and efficiency
  - Conducted detailed assessments for a range of building systems, including HVAC, lighting, and building automation systems
  - Recommended strategies to improve performance, energy efficiency, and ensured optimal functionality of critical building systems
- Conducted several QA/QC Inspections on heat pumps to ensure they met quality standards for NY program
  - Identified and reported any defects or issues with heat pumps or other HVAC related equipment
  - Maintained accurate records of inspections and tests
- Ensuring building systems meet design requirements through rigorous functional testing
- Evaluating building energy performance with functional tests to enhance efficiency

## CERTIFICATIONS AND SKILLS

### Certifications:

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

### Skills:

- Software:
  - MS Office, Autodesk Inventor, Solidworks, Labview, Matlab, Helioscope
- Languages:
  - English, French, Haitian Creole



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