Nancy Lin

Energy Engineer

Nancy is an Energy Engineer at Harris Energy Solutions, having recently graduated from Harvard College with a Bachelor of Science in Mechanical Engineering. She has a proven track record of delivering impactful projects in her experience. Additionally, Nancy has led a data optimization project to calculate flood risk using river gauges and insurance studies and presented recommendations to maximize energy efficiency in building design and operation.

Nancy.Lin@HESconnect.com

Nancy Lin | LinkedIn

EDUCATION

Harvard College
Bachelor of Science in Mechanical Engineering 2024

RELEVANT EXPERIENCE

- Constructed a clean water distribution system for a city in the Dominican Republic
- Performed structural and hydraulic calculations for implementation of future pipeline bridge
- Revised CAD drawings for water tank and well-house extension via Revit
- Designed urban agrivoltaic system integrating solar panels to power an interactive art exhibit
- Developed a viral marketing strategy for a company's new retail broadband services
- Conducted risk assessments and engineered solutions for flood and fire resilience in buildings
- Led data optimization project to calculate flood risk via river gauges and flood insurance studies
- Investigated energy and carbon consumption at the Harvard Science and Engineering Complex
- Presented recommendations to maximize energy efficiency in building design and operation
- Co-authored paper on addressing homeless crisis with innovative housing policy and design

CERTIFICATIONS AND SKILLS

- Certifications:
  - Occupational Safety and Health Administration (OSHA)
    - 10 Hour OSHA Outreach Training for General Industry
- Software:
  - MS Office, Solidworks, Revit, QGIS, Inventor, Lumion, EnergyPlus, Python, R, C, Arduino, HTML, CSS, JavaScript, RobotC, SQL, Ruby
- Languages:
  - English, Chinese, Spanish