



Abigail Lancaster



MFBA

Energy Analyst, Director of Education Outreach, Marketing Director

Abigail is an Energy Analyst at Harris Energy Solutions with experience in building modeling, solar design, and data collection and analysis. She is currently pursuing a Bachelor's degree in Education from Texas State University. Abigail has a passion for environmental sciences and sustainability and her interest drives great strengths in research and development, critical problem solving, as well as analytical thinking.

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Education

Texas State University

Expected 2023

B.S. Interdisciplinary Studies with EC-6 ESL Generalist Certification

Austin Community College

2019-2020

A.A. Elementary Education and Teaching

Representative Project Experience

- Building Modeling
 - Input required data collected into modeling software to develop building energy efficiency code and inform policy decisions.
- Solar Design
 - Design and create the most effective photovoltaic system taking condition set reports and modeling into account.
- ASHRAE Level Energy Audit
 - Assisted with development of ASHRAE level audits.

Relevant Experience

- Intern for Education Board Member for Solar Austin
 - Research and develop educational activities to host workshops for children in the Austin area to gain hands on experience in solar power.
 - Reach out to schools and organizations to plan future events as well as learn about what the community needs from Solar Austin.
 - Apply for education and sustainability grants.
 - Assist with workshops and events planned.
 - Design school programs that align with grade level curriculum.
- Build interconnection applications for solar installations.
- Design conceptual photovoltaic layouts with soiling conditions analysis.
- Analysis of finished projects to verify compliance with safety, quality, and environmental requirements.
- Assist team in locating cost-saving opportunities by utilizing a keen understated of priorities bases on total value versus risk and effort.
- Assist the HES team with researching energy policies and products, developing a convenient solution for customers to offset the environmental impact of energy use, reducing utility bills by 5-30%.
- Analyze business or residential clients' needs by examining the current consumption levels and recommending where savings could be achieved in usage and cost.
- Technical report generation for ASHRAE level Energy Audits including field data collection, report write-up, energy savings calculations, and financial cost benefit analysis.