

Lilliana Hadik-Barkoczy

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Undergraduate electromechanical engineering student with competencies in renewable energy systems for mechanical and electrical engineering disciplines. A motivated individual who is both detail oriented and a big-picture thinker.

Education

Bachelor of Science in Multidisciplinary Engineering with an emphasis in Energy

Spring 2021-Present

Northern Arizona University, Flagstaff, AZ

Expected Graduation Date: December 2025

Relevant Coursework: EE402 Wind Power Conversion, ME451 Renewable Energy, EE406 Power Electronics, ECO324 Environmental Economics

Santa Barbara Community College, Santa Barbara, CA

Fall 2020 - Fall 2021

- 46 credits earned and transferred to NAU

Relevant Experience

Logistics Manager for NAU Capstone Project

January 2025 - Present

- Managing internal and external communication for the team
- Acts as the point of contact for the capstone's client at Salt River Project
- In charge of the theoretical background of the project which focuses on convective mass transfer
- Collaborating with Project manager to research and produce all engineering calculations for the project
- Assistant to the Project Manager's administrative role, helping with task delegation, leadership, and meeting deadlines

Internship at Mendocino Solar Service

June 2024 - July 2024

- Learned bookkeeping tasks in QuickBooks
- Learned Trimble SketchUp and provided drawings for solar building permits
- Field testing of multiple generations of PV module's voltage, current, and efficiency
- Charted sales proposal to close ratio by consolidating customer data from sales pipeline spreadsheet
- Used online draw program to create professional looking schematic diagrams of installed PV systems
- Learned about construction and wiring of solar arrays and storage batteries in the field with the installation crew
- Created spreadsheet of yearly production data of installed solar systems by collecting data from monitoring systems
- Assisted manager in deciding how to allocate marketing funds by implementing a dynamic pie chart of the various ways that customers hear about Mendocino Solar Service

Mendocino Maples Nursery

Fall 2019 - Spring 2020

- Processed order forms and packaged tree saplings for shipping

Qualifications Summary

- Ability to apply knowledge of engineering principles to all stages of product design and manufacturing
- A work style that employs methodical trouble shooting tactics for comprehensive problem solving
- Ability to:
 - Work effectively in team situations as well as independently
 - Network and interact effectively with a broad range of associates spanning varied disciplines and abilities
 - Travel whenever necessary
- Excellent communication skills