

# Aleena Kureekattil

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## EDUCATION

University of Nevada, Reno  
Bachelors of Science in Electrical Engineering and Biomedical Engineering  
Expected Graduation Date May 2026  
GPA: 3.986

## WORK EXPERIENCE

Research and Development Intern | Dragonfly Energy | Reno, NV (August 2024 – December 2024)

- Conducted detailed materials testing to enhance battery performance, ensuring compliance with industry standards.
- Collaborated with cross-functional teams to assess and improve battery manufacturing processes, identifying areas for efficiency gains.
- Operated advanced lab equipment, including Micrometers and Gloveboxes, to perform precise measurements and testing.
- Analyzed material compositions using technical tools to refine battery components and support product innovation.
- Documented and presented findings to the Materials Science team, contributing to decision-making on design improvements.

Teaching Assistant Engineering 100 | UNR College of Engineering | Reno, NV (August 2023 –December, 2023)

- Aid freshmen by familiarizing them to the basics of all engineering disciplines
- Demonstrated tasks ranging from soldering, designing and building sketches, filtering water, programming robots, etc.
- Graded assignments in a timely manner and promoted enthusiasm for engineering

## LEADERSHIP

THETA TAU (Professional Co-ED Engineering Fraternity) (August 2022 - PRESENT)  
Regent/President (Spring 2025)

- Led strategic initiatives to improve project execution, relevant to process optimization.

Recruitment Chairhead (Fall 2024)

- Planned 5 different recruitment events relating to the pillars Professional Development, Community Service, and Brotherhood.

Academics Chairhead (August 2023-May 2024)

SOCIETY OF WOMEN ENGINEERS (August 2022 - PRESENT)

- Volunteered in initiatives promoting STEM education through hands-on activities and mentorship for aspiring engineers.
- Attended the SWE Conference in Chicago of Fall 2024 and engaged in technical workshops and sessions on emerging engineering technologies, fostering professional growth and networking with industry leaders

## TECHNICAL SKILLS

Soldering, R Coding, C Coding, Matlab, LabVIEW, Multisim, Arduino, Oscilloscopes, Multimeters, Function Generators, Microsoft Word, Microsoft Powerpoint, Glovebox, Micrometer, Electrode Resistance Meter, XRF, XRD

## PROJECTS

Biomedical Engineering Lab (January, 2024 –May 2024)

- Aid Dr. Josette Zaklit by dissociating cells, preparing solutions, and routine lab work
- Observed effects of electric pulses onto adrenal chromaffin cells and calcium response
- Utilized microscopes as well as centrifugation chambers to manipulate cells