



# Vickie Redding

Electrical Engineer

## CONTACT

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Denver, CO

## EDUCATION

### Bachelor of Science in Electrical Engineering

University of Colorado Boulder, CO

Graduated: May 2025 | GPA: 3.7/4.0

- Relevant Coursework: Power Systems, Circuit Design, Renewable Energy Systems

## LINKS

LinkedIn: /in/vickieredding

## PROFESSIONAL SUMMARY

Motivated electrical engineering graduate with hands-on experience in circuit design and troubleshooting through internships. Proficient in MATLAB, AutoCAD Electrical, and PLC programming. Passionate about renewable energy and power systems, with a goal to contribute to sustainable engineering solutions.

## EXPERIENCE

**Intern** 2025 - 2025

### PowerTech Solutions, Denver, CO

- Assisted in designing and testing electrical circuits for commercial energy systems.
- Troubleshooted electrical panels, reducing diagnostic time by 15%.
- Used MATLAB to model and simulate power systems, improving design accuracy.

### Project

#### Smart Grid System Simulation

- Developed a MATLAB-based simulation to optimize power distribution in a smart grid.
- Enhanced energy efficiency by analyzing consumption patterns.

## SKILLS

Circuit design and analysis ★★★★★

MATLAB and Simulink ★★★★★

Power systems analysis ★★★★★

PCB design and testing ★★★★★

Problem-solving and critical thinking ★★★★★

Communication and teamwork ★★★★★

## PROFESSIONAL MEMBERSHIPS

- Member, Institute of Electrical and Electronics Engineers (IEEE), 2024–Present
- Member, Renewable Energy Student Association (RESA), 2025–Present