Joshua Wolff

Ames, US, 50014
(319)464-0384 — joshua.wolff03@gmail.com

PROFESSIONAL SUMMARY

Electrical engineering student seeking a Summer 2026 internship in power systems. Brings three years of experience in technical research and warranty management. Skilled in technical writing and collaborative problem-solving, with a strong interest in advancing power reliability, grid technologies, and energy systems innovation.

EDUCATION

Bachelor of Science in Physics *Expected Dec 2027*
University of Northern Iowa, Cedar Falls, IA

Bachelor of Science in Electrical Engineering *Expected Dec 2027*
Iowa State University, Ames, IA

Pursuing a dual-degree 3+2 program between University of Northern Iowa and Iowa State University, earning a B.S. in Physics from UNI and a B.S. in Electrical Engineering from ISU.

EMPLOYMENT HISTORY

Smart Energy Intern *Sep 2025 – Present*
Ames Electric Services, Ames, IA

- Calculate cost effectiveness of power purchase agreements
- Coordinate with local businesses to promote sustainable practices
- Measure cost savings for citizens through new electricity ratings program
- Determine locations for 3 potential EV charging stations in the city
- Create a cleaner, more user-friendly website for Electric Services

Electronics Team Associate *Jan 2025 – Present*
Walmart, Boone, IA

- Provide technical guidance on consumer electronics
- Use analytical problem solving techniques to diagnose customer product issues
- Collaborate across departments to streamline product placement

Engineering Part-Time Student *Jun 2022 – Oct 2024*
John Deere, Waterloo, IA

- Managed warranty claims for 7000/8000 tractors, reducing claims by 1.5%.
- Collaborated with teams via Microsoft Office, enhancing communication.
- Learned from senior engineers' feedback, fostering professional growth.
- Utilized PTC Creo to analyze and modify parts, ensuring precision in cabling, piping, and sheet metal for enhanced product reliability.

Undergraduate Research Assistant *Jun 2022 – Aug 2022*
University of Northern Iowa, Cedar Falls, IA

- Analyzed data trends to enhance research outcomes and recommend improvements.
- Explored gold and MoS_2 interactions to advance material science understanding.
- Developed atomic-level methods for gold film surface manipulation.
- Utilized Atomic Force Microscopy for nanometer-scale gold film analysis.
- Prepared and analyzed samples, generating detailed reports on findings.