

JENNIFER SMITH

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OBJECTIVE

To obtain a full-time Electrical Engineer position at Vanderweil Engineers.

EDUCATION

BS Electrical Engineering, North Dakota State University, Fargo, ND, May 20XX, 3.93

- Passed the Fundamentals of Engineering (FE) exam
- Finishing degree from an ABET-accredited program
- Authorized to work permanently in the U.S.

EXPERIENCE

May 20XX – PRESENT

Systems Engineering Intern, John Deere Electronic Solutions, Fargo, ND

John Deere is an America company that manufactures agricultural, construction, and forestry machinery, engines, drivetrains used in heavy equipment and lawn care equipment. It is listed as 105th in the *Fortune 500* America's ranking and 407th in the global ranking.

- Benchmarked 15 control units to find improvement opportunities in current controllers used in gas engines, transmissions, power distribution systems, and implement controls
- Calculated reliability data for safety in 8 new products subjected to severe heat, extreme cold, harsh chemical vapors, and direct exposure to water, dirt, dust, and rock
- Worked with technicians to recommend design alterations to boost quality

Oct 20XX – May 20XX

Electronic Design Engineering Intern, John Deere Electronic Solutions, Fargo, ND

- Supported project documentation by updating schematics and engineering design notes for the purpose of determining feasibility of new projects
- Brought together all of the documentation needed to jumpstart 4 projects, and communicated key information to project stakeholders
- Performed bench testing to determine circuit faults, identified types of faults, explored root causes, and prepared reports concerning future direction of projects

May 20XX – Aug 20XX

Electronic Engineering Intern, Xcel Energy, Saint Paul, MN

Xcel Energy is a utility company serving more than 5.1 million customers in 8 states.

- Configured and wired hardware to support GE relay testing and training
- Modified software in C to improve model fidelity for technician training
- Designed vibration mechanism for tactile feedback in a nuclear power plant simulator
- Assisted in development and implementation of a physical substation arrangement

TECHNICAL SKILLS

- Advanced skills in MATLAB, Simulink, MathCAD, LTspice, Excel, Word, PowerPoint
- Intermediate skills in C programming, VBA, Access