JENNIFER SMITH

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OBJECTIVE

To obtain a full-time Electrical Engineer position at Vei Global engineering.

EDUCATION

BS Electrical Engineering, North Dakota State University, Fargo, ND, May 20XX
- 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 – Nov 20XX

Systems Engineering Intern, John Deere Electronic Solutions, Fargo, ND
- Expertly 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 eight new products subjected to severe heat, extreme cold, harsh chemical vapors and direct exposure to water, dirt, dust and rock
- Partnered with technicians to recommend design alterations boosting reliability rate by 7%

Oct 20XX – May 20XX

Electronic Design Engineering Intern, Moore Engineering, West Fargo, ND

Employee-owned civil and environmental engineering company completing more than 21K projects in the region.
- Supported 3rd party developers and start-up firms by providing technical support and direction
- Utilized innovative problem solving to devise courses of action for development of new techniques to refashion existing processes increasing efficiency by 12%
- 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, Great River Energy, Park Rapids, MN

Great River Energy is a not-for-profit electrical cooperative serving more than 695K customers.
- Configured and wired hardware to support relay testing and training
- Meticulously modified software in C to improve model fidelity for technician training
- Supported Project Appropriation Requests, to include initiating environmental and safety reviews

TECHNICAL SKILLS

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

SENIOR DESIGN PROJECT

Spring 20XX

Designed and integrated solar-powered water heater to prevent cattle ranch troughs from freezing in the winter.
- Utilized technical skills to integrate high-efficiency solar cells with low-voltage waterproof heating element designed to keep water in liquid state to -40 degrees Fahrenheit
- Tested water for stray current and design durability to ensure safety of animals during use
- Coordinated field testing approval with local rancher communicating safety of prototype
- Conducted and documented results of seven extreme temperature assessments between 10 to -40 degrees

NOTE: Border represents the edge of paper, NOT an actual border around the resume information.