Andrew Hanshaw, EIT

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OBJECTIVE STATEMENT

A motivated individual seeking a junior software engineering position. Drawing on my engineering experience in the power consulting industry, I am eager to contribute to meaningful projects in a new field and bring my passion for innovative technology to create a positive impact as a software engineer.

SKILLS

Languages: C/C++, Python, Java, JavaScript, SQL, Visual Basic

Tools/Frameworks: Flask, HTML, CSS, Git
- Advanced knowledge of electrical power systems, including design, analysis, and implementation of distribution and transmission systems.
- Experience with using aerial photography, USGS 'quad' maps, and GNSS receivers.

EXPERIENCE

DGR Engineering – Design Engineer   May 2020 – Present   Rock Rapids, IA
- Provided physical and protection & controls design for new construction and upgrades of existing substations.
- Programmed and commissioned relays for use as protective devices for transmission and distribution systems.
- Performed distribution planning and arc-flash studies to resolve system deficiencies.
- Ensured adherence to client-specific standards on a project-by-project basis.
- Reviewed vendor drawings to ensure compatibility with design.
- Compiled specifications and drawing sets for project bidding.
- Provided design feedback in regular meetings with both internal and external teams.

MtronPTI – Design Engineer Intern   May 2018 – Aug 2019   Yankton, SD
- Implemented bug fixes and UI enhancements to improve the functionality and throughput of production software.
- Created and updated process documentation in compliance with ISO 9001 and MIL-SPEC standards.
- Designed custom fixturing to enhance production efficiency and reduce material expenses.
- Analyzed and resolved manufacturing errors, increasing production throughput and efficiency.

EDUCATION

B.S., Electrical Engineering, Minor in Computer Science   May 2021
South Dakota State University
- Graduated cum laude (GPA: 3.62/4.00)
- President of the Student Advisory Council (2020-2021)