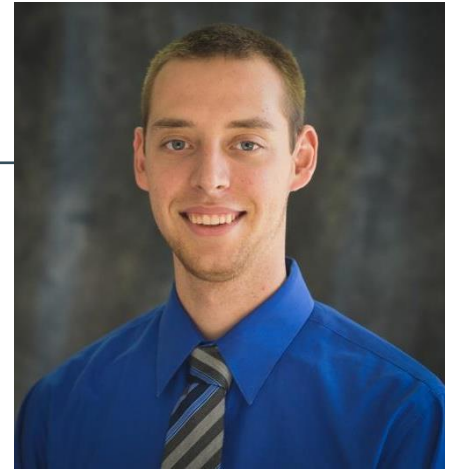


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ZACHARY J. BROWNE

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OBJECTIVE

Electrical Engineer seeking new opportunities in the power industry with a company that focuses on customer and employee satisfaction and safety, while fostering teamwork and development among its employees and being actively involved in making a positive impact in the community.

EDUCATION

MICHIGAN TECHNOLOGICAL UNIVERSITY – B.S. ELECTRICAL ENGINEERING

Houghton, MI – Graduation: Spring 2015

Certificate: Electric Power Engineering

EIT Certified

ENGINEERING EXPERIENCE

KOHLER POWER SYSTEMS

APRIL 2016 - PRESENT

Title

Electrical Engineer – Switchgear Automation – *Kohler, WI*

Responsibilities

Develop project specific software and Human Interface screens for autonomous control of switchgear and other Kohler Power Systems projects.
Simulate system operation and support projects in test and commissioning.
Support retrofits and upgrades to existing projects in the field.
Documentation of programs for ease of use and training.

JACOBS ENGINEERING

CO-OP MAY 2013 – DECEMBER 2013, MAY 2015 – APRIL 2016

Title

Electrical Engineer 1 – *Green Bay, WI*

Responsibilities

Supported confidential clients in pulp and paper and power generation industries in team settings. Responsible for development and review of construction packages, PLCs, scope of work documents, electrical drawings and communicating with vendors and clients.

Projects

Converting line addition, telescopic chute replacement, soot blower replacement, PLCs verification, CP checking, MCC upgrade, make-up air unit replacement, photo-eyes design, electrical install support, engineering checkout

AMERICAN TRANSMISSION COMPANY

SEPTEMBER 2014 – MAY 2015

Title

Senior Design – Team Leader – *Houghton, MI*

Project

Software Tool to Develop Equivalent Circuit Motor Parameters

Objective

Optimize the black-start motor approval process with software focusing on equivalent circuit parameters.

Contribution

Assisted development of MATLAB scripts, explored GUI, created walkthrough video, lead meetings, client main contact, managed all team communication and data

INTEGRYS ENERGY GROUP

INTERNSHIP – MAY 2014 – AUGUST 2014

Title

Project Management Intern – *Green Bay, WI*

Responsibilities

Responsible and accountable for assisting project manager in implementing major, complex Wisconsin Public Service and subsidiary construction and engineering projects, collaborate with project manager and lead team in optimization of project schedule, budget, and deliverables

Projects

Fly ash storage pad asphaltting, secondary chemical unloading containment, MATS compliance silo, construction management, distribution transformer platform

Value Added

Reduced schedule, material cost and need, and minimized plant disruptions

RELEVANT COURSE WORK

Distribution Engineering
Relay and Protection Engineering
Advanced PLCs
Power System Analysis 1+2
Power System Analysis Lab
Electronic Machines and Drives

SOFT SKILLS

Communication
Team Player
Eager to Learn
Creative Ideas
Teachable
Adaptive

SOFTWARE

AutoCAD
Microstation
UGNX
AutoDesk Suite
Mathematica
SAP
MATLAB
Java
C
Verilog
Simulink
Assembly

PLC + HMI

Schneider Electric
Unity Pro, Concept
Allen Bradley
RSLogix
HMI
Iconics + Vijeo