

Contact

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Languages

Spanish
English

Certifications

Engineer In Training

Publications

Xcel Energy's Colorado Wind Farm
Integration with the Grid

Development and Implementation
of a Wide Area Automated Voltage
Control System

Transmission-Level Multi-Facility
Coordinated Voltage Control for
the Integration of Inverter-Based
Resources into a Weak Grid

Benjamin Ryan

Electrical Engineer

Denver, Colorado, United States

Summary

Experienced Electrical Engineer with a demonstrated history of working in the electrical engineering power industry. Skilled in various utility communication protocols, customer service, SCADA configurations and documentation, renewable (solar and wind) PPC design and commissioning, and project leading. Strong engineering professional with a Bachelor of Science (B.S.) focused in Electrical and Electronics Engineering from Iowa State University.

Experience

POWER Engineers

Electrical Engineer

June 2015 - Present (8 years)

Denver, Colorado, United States

POWER Engineers

Electrical Engineer Intern II

May 2014 - August 2014 (4 months)

Lakewood, CO

- Performed substation DC battery calculations.
- Created CT saturation Calculation books in Mathcad.
- Completed arc flash calculations with accompanying relay settings.
- Assisted engineers in design and troubleshooting on various SCADA and HMI projects.

Omaha Public Power District

Electrical Engineer Co-op

May 2013 - December 2013 (8 months)

Omaha, NE

- Worked directly with plant engineers and technicians to resolve issues and make improvements.
- Completed arc flash calculations, design checks and markups, TCC adjustments, cable scheduling, purchased parts, created drawings, and created excel macros for data basing.

- Design checks and implementation on Automated PLC sluice and water treatment system.
- Designed and programmed enclosure heat rise calculator.

Education

Iowa State University

Bachelor of Science (B.S.), Electrical and Electronics

Engineering · (2010 - 2015)