**Ryan Dennis**

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400 Allen Rd.

Lenoir City, TN 37772

(865)-361-2366

**Education:**

**Clemson University, Clemson, South Carolina**

Bachelor of Science in Electrical Engineering December 2012

Emphasis in Power Systems and Minor in Business Administration

**University of Tennessee, Knoxville, Tennessee**

Master of Business Administration December 2022

**Work Experience:**

**Oak Ridge National Lab – Integrated Operations Support Division**

**Electrical Engineer** August 2022 – Present

* Develop and maintain arc flash models using SKM arc flash modeling software.
* Provide evaluation, documentation, and placarding of electrical infrastructure to adhere to the required arc flash standards.
* Work with a team to improve electrical documentation for Facility Management Division within ORNL
* Provide information and direction on maintenance requirements of electrical infrastructure according to NFPA70E, NFPA 70B, and industry best standards.
* Assist Facility Engineers, Supervisors, and Electrical Personnel with drawing updates with single line drawings.

**Arconic Inc.**

 **Senior Electrical Engineer**  December 2018 – August 2022

* Manage and maintain arc flash models in Paladin DesignBase to include equipment and facility modifications.
* Manage various capital projects to include project identification, business justification evaluation, project implementation, and budget management.
* Performs electrical safety training of plant electrical personnel and arc flash safety.
* Coordinate maintenance on high (161kV) and medium (13.8kV) voltage equipment to ensure internal Arconic standards, NEC, and NFPA 70E/70B standards are observed to ensure and improve equipment safety and reliability.
* Lead Central Services Departments electrical capital projects including medium voltage breaker upgrades from Oil Filled Circuit Breakers to SF6 Breakers, High Voltage PLC upgrades/improvements, and Plant Chilled water system improvements.

**Staff Electrical Engineer** June 2016 – December 2018

* Implemented various capital projects including overhead crane replacement upgrades, building services equipment upgrades, and aluminum furnace electrical upgrades.
* Supported production efforts in the Recycling and Ingot Casting areas.
* Programmed and serviced equipment utilizing Allen Bradley and Siemens PLC programing languages.
* Served as area electrical safety and overhead crane safety person. Ensured compliance with company and OSHA safety requirements.
* Aided maintenance personnel to troubleshoot production equipment to restore continuous operations of area production equipment.

**Milliken & Company**  February 2013 – June 2016

 **Engineering Services Engineer**

* Worked with production managers to coordinate repairs on daily break downs
* Analyzed machine break downs to track failures using an Advanced Machinery Maintenance System to implement more effective Preventative Maintenance procedures and scheduling
* Provided justification for capital projects to obtain funds for machine improvements
* Wrote and implemented scope documents for machine improvement projects
* Oversaw projects on major plant equipment in multiple areas of a textile manufacturing facility
* Oversaw environmental aspects of a textile manufacturing facility including Title V and Wastewater treatment permitting
* Served as the systems manager with duties including necessary networking projects throughout plant, managing permissions, and managing required software