

Trent Harrison

Overland Park, KS 66221

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Education University of West Florida Anticipated Graduation
Masters of Science Computer Science May 2021
Software Engineering

Missouri University of Science and Technology May 2012
B.S. Electrical Engineering
Emphasis in Computer Engineering

Experience Kiewit Lenexa, KS
Senior Electrical Engineer/Lead Estimator Jan 18 - Present

- Lead multiple fast-paced estimates for NG fired power plants with various configurations ranging from 150MW to 1700MW of output power
- Coordinate across multiple engineering disciplines
- Interface and coordinate with high level project and business area management
- Develop deliverables and calculations for estimating takeoffs and procurement of materials
- Develop circuit schedules, schematics, single-line diagrams, three-line diagrams for NG fired and biomass power plants
- Balance workload and assign tasks to team members to meet customer requirements and business unit metric goals
- Responsible for keeping the team on scope and on time

Garmin Gardner, KS
Aircraft Systems Designer – Electrical July 15 - Jan 18

- Assisted in the design and certification of new avionics systems installations in 14 CFR Part 23/25 aircraft
- Generated wiring diagrams, wire routing schematics and other required design data needed to support Garmin STC projects
- Assisted in the development of documentation for new avionics system installations
- Coordinated with project leads, certification leads and installation technicians as needed to complete assigned tasks
- Lead electrical design for several projects including autopilots and touch navigation systems

Black & Veatch Overland Park, KS
Electrical Engineer Sept 14 – July 15

- Designed 480V to 15kV electrical systems for ammonia processing plant
- Prepared and verified engineering deliverables
- Prepared engineering calculations following standard methods and principles
- Performed loading and sizing calculations for switchgear and MCCs
- Applied intensive and diversified knowledge of engineering principles and practices

Bibb Engineers, Architects, and Constructors
Electrical Engineer

Kansas City, MO
May 12 – Sept 14

- Designed 480V to 15kV electrical systems for power plants
- Developed electrical system schematics and diagrams
- Drafted electrical system specifications
- Worked on a small team with multiple engineering disciplines

Skills

- AutoCAD, ETAP, MS Office, SmartPlant, HardDollar
- NX, MatLab, MultiSim, PSpice, QuartusII
- C, C++, C#, JAVA, SQL, Assembly, Binary, Keil μ Vision