

KEILI BLYTHE, PE

*Power Electrical
Engineer*

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☎ (123) 456-7890

📍 Denver, CO

🌐 [LinkedIn](#)

SKILLS

- Facilitation
- Tradeoff Analysis
- High Voltage Systems
- CADD
- Simulation
- Multi-rail Operation

WORK EXPERIENCE

Traction Power Engineer

Jacobs

📅 2019 - current 📍 Denver, CO

- Built technical designs for the intercity rail system, ***designing substation and distribution projects totaling more than \$2.6B***
- Employed simulation software to develop, study, and resolve traction power load flow and faults, and drafted analyses that proved the necessity of 6 additional substations across 2 projects
- Collected data on-site to ensure developments in design adhered to plans and specifications and to determine code compliance
- Traveled to meet clients and contractors to reduce miscommunication, decreasing time spent on projects by ~7%

Traction Power Engineer

Parsons

📅 2015 - 2019 📍 Denver, CO

- Worked with team on the design and ***construction for a transit system totaling more than \$3.3B***
- Concentrated efforts on SCADA to customize existing models for a state-of-the-art function that increased efficiency by 14%
- Reviewed reports to ensure 100% compliance with regulations
- Provided recommendations to resolve 93% of issues with SCADA, substations, and systems integration failures
- Interfaced with contractors, engineers, and technicians to define materials, schedule timelines, and test RAMS requirements

Associate Electrical Engineer

NBBJ Design

📅 2010 - 2015 📍 Denver, CO

- Tested circuit performance and suggested recommendations and updates based on simulation, improving reliability by 8%
- Collaborated with 3 engineers to contribute to designing lighting systems, and drafted budgetary reports for clients
- Visited project sites to ensure compliance with NEC

EDUCATION

Bachelor of Science, Electrical Engineering

University of Colorado, Boulder

📅 2006 - 2010 📍 Boulder, CO