Blake Ortiz

Phoenix, AZ
-Email me on Indeed: http://www.indeed.com/r/Blake-Ortiz/a6f936b330ab6058

Work Experience

Field Service Engineer

Atlas Contracting
July 2017 to Present

Maintain and install granite countertops in residential and commercial communities across the state of Arizona. Work with suppliers, vendors, and contractors to ensure homes are built on time and within budget. Work with all home building tools such as cordless screw drivers, generators, air compressors, stud finders, circular saws, levels, and grinders. Repair broken down trucks and trailers when needed. Set-up fabrication shops when needed. Ensure dust and safety protocol is met by employees at all times. Move and lift heavy granite slabs. Replace fuse boxes and light bulbs as needed. Manage budget, schedule, human resources and scope of commercial construction projects.

Power Systems Engineer I

Salt River Project
July 2016 to July 2017

Utilized applicable codes, standards, practices, methods, and safety standards to design SRP's underground distribution systems. Calculated arc flash studies using
MS Excel. Designed distribution systems and assisted in transmission project support. Approved electrical distribution designs in AutoCAD. Analyzed MV and HV circuit Breakers. Conducted research on SRP's switchgear systems. Calculated fault currents, conduit burning temperatures, three-phase power, and single-phase power.
Calculated voltage losses for various conductor sizes, types, and lengths such as
4/0 Al, 4/0 CU, and 500 MCM. Participated in field studies where a formal report was presented. Western Underground Committee conference attendee.
Technologies used:
· MS Excel
· AutoCAD
· Conductor Heat Testing Software (Proprietary)
· Windows

Applied basic engineering fundamentals to support Meter Engineering. Monitored malfunctioning L +G/Elster routers using a method called "router ping." Analyzed corrupted meter data reports and investigated malfunctioning equipment out in the field. Performed bench testing on meters. Devised a plan to relocate routers on
SRP's grid in order to make it more robust. The plan consisted of scope, who, what, where, when, why, and how. It included cost, deployment schedules, a work break down structure, graphs, and tables. SharePoint, L+G software, Elster
Software, SRP's electronic mapping system, SRP's billing system, and MS Office were used to gather information for the plan. The plan was then presented to a panel of rotational engineers and Sr. Engineers in the company.

Education

Management
W.P. Carey School of Business
2014

Bachelor's Degree in Electrical Engineering
Ira A. Fulton School of Engineering

Skills

- MS Office Suite
- MS Access
- SharePoint
- C++
- MATLAB