

Denisse A. Rivera

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PROFESSIONAL SUMMARY:

Computer troubleshooting, Planning, Power Factor, Sectionalizing, Fault Current and Coordination Studies. Supervising and multi-tasking skills, Proficient in Spanish (Read/Write and Talk)

EDUCATION:

- The Coding Boot Camp at UT Austin (April-2021 – Present)
- Texas A&M University-Kingsville (Fall 2010)
B.S. in Electrical Engineering (Computer Engineering emphasis)

PROFESSIONAL EXPERIENCE:

10/19-Present **Tri-County Electric Cooperative (Aledo, TX)**

10/19-Present **DISTRIBUTION ENGINEER**

- Distributed Generation
 - Helped web page developers understand the application process by listing all different departments enrolled (and responsibilities) as well as test webpage workflow.
 - Review applications and talk to applicants to let them know if more documentation is required
- Responsible of Fault current studies
- Responsible of making equipment installation recommendations for 25 substations to improve system resiliency
- Currently researching Electric Vehicle (EV) chargers by benchmarking against different utilities to compare EV rates, plans and be able to provide EV chargers to our members.

8/15-9/19 **POWER Engineers, Inc.**

2/17 – 9/19 **ENGINEER III**

- Work along substation departments on electrical design, create wiring diagrams and schematics by using relay functional diagrams as reference
- Managed engineering budgets
- Create relay functional diagrams based on client's specifications
- Attended several IEEE 1547 meetings in order to familiarize with standard updates

8/15- 2/17 **ENGINEER II**

- Performed load and voltage analysis to recommend necessary upgrades to improve feeder resiliency by using client's criteria and engineering practice
- Collaborated along software developers in the development of a client's software app to process DG applications by creating process flow diagrams and setting requirements
- Coordinate the development of Distributed Generation (DG) standards by gathering existing documentation and benchmark against different utilities
- Manage multiple DG projects by reviewing interconnection applications, coordinating the impact study performed by multiple departments as well as overseeing the construction by scheduling update meetings between client and DG owner

6/11-8/15 **Magic Valley Electric Cooperative, Mercedes, Texas**

7/14-Present **SYSTEMS ENGINEERING MANAGER**

- In Charge of Operations Technicians
- Helped simulate the load transfer from one substation to another, suggest which switches to open/close, install capacitors to help reduce VARs and increase voltage, and where to install a Voltage Regulator to help voltage down the line (about 11 miles away)
- Responsible of Fault Current Studies
- Including previous responsibilities

1/12-7/14 **PLANNING ENGINEER**

- In Charge of Meter Technicians
- In Charge of Sectionalizing
- Help with Fault Current Calculations
- Including previous responsibilities

6/11-1/12 **ENGINEERING TECHNICIAN I**

- Gather information needed for systems studies (Patrol feeder to verify devices and load type, place recording devices at specific locations, ask SCADA for load information for specific feeder)
- Responsible for Power Factor and Planning Studies for the Cooperative
- Help Technical Services Manager with Sectionalizing
- Use WindMill and LightTable to simulate feeder switching scenarios

4/07-6/11 **Mr. PC Inc, McAllen, Texas**

SALES/TECH REPRESENTATIVE

- Troubleshoot, build and sale Computers (Hardware and Software)
- Answer Phones as well as deal with Customers

ACTIVITIES and HONORS

- IEEE – 1547-2018 Standard (Working Group)
- Karate-Do, Shuko-Kai International, Mission, Texas
- IEEE, Texas A&M University-Kingsville (Fall 2008-Fall 2010)
- IEEE, President of Texas A&M University-Kingsville Student Chapter (Fall 2009-Spring 2010)