



Internship with Schneider Engineering Hugh Galloway, Electrical Engineering, 2022

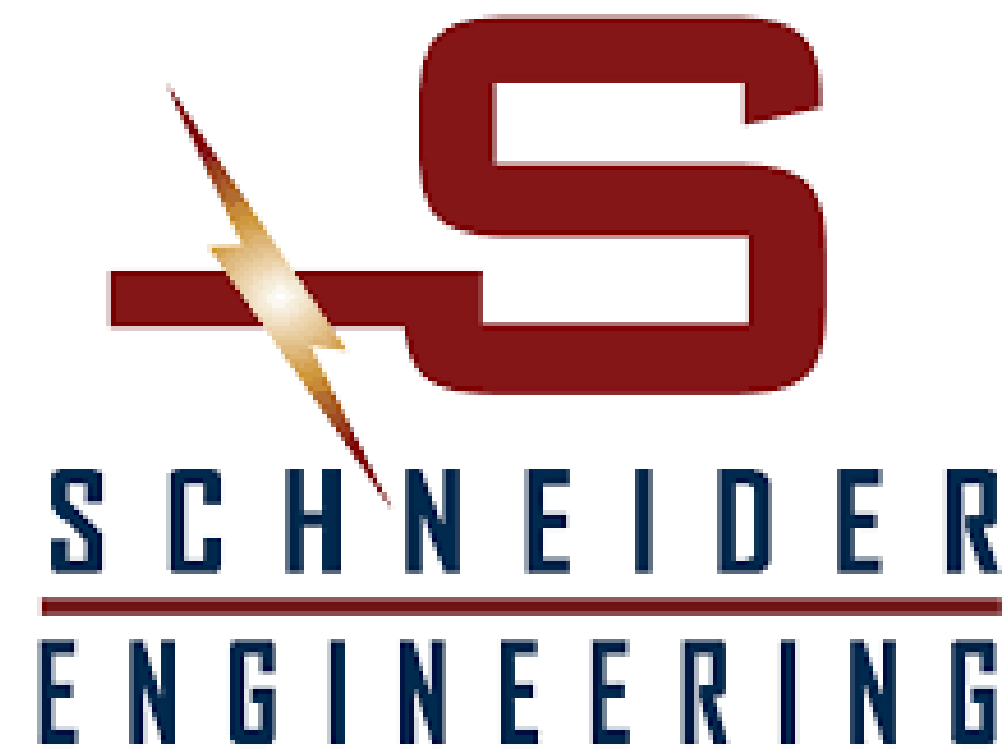
Professional
Development

SUMMARY

I worked as a design intern for Schneider Engineering in Boerne from May 20th to August 14th. As an intern I helped build an Overhead Specification Book for Schneider Engineering using SolidWorks. I created assemblies and drawings for each unit in the specification book, submitted drawings for Engineer's Review, and started an internal material catalogue for each part featured in the specification book. I also prepared weekly reports detailing progress, drafting techniques, and obstacles encountered.

Additionally, I prepared For Construction Packages for clients. To accomplish this task I prepared Plan View Drawings consisting of project imagery, representations of all distribution poles, and conductor used in project. I also prepared Staking Sheets consisting of the location, back span, and assemblies used on each pole within the scope of the project and I performed design verification by creating an elevation profile for the poles involved in the project.

My goal for this internship was to develop as a professional by practicing technical skills and completing engineering-based projects.



SPICES

During my internship I gained experience with AutoCAD and SolidWorks. In addition, I sent distribution construction packages to clients and attended weekly meetings regarding productivity.

HERBS

My experience challenged my resilience as I had to learn two unfamiliar drafting programs while employed. Additionally, all projects required the full support of the division to complete.

LEARNING OUTCOMES

While employed I was the sole employee charged with making a construction specification book using SolidWorks to produce technical drawings. The project spanned the entirety of my time at Schneider and improved my project management skills. Effective communication across projects was integral to my work as an intern. On many occasions employees would send project tasks to one another and without effective communication on both ends we would not have been able to complete many projects.



IMPACT

After completing this experience I am more confident in working on projects within the field of electrical engineering. I gained valuable professional experience through attending meetings and completing projects that were sent out to companies like Occidental Petroleum, CPS Energy, and Power Infrastructure Partners. This experience has made me much more confident in pursuing future professional opportunities related to electrical engineering.

ADVICE

Take advantage of FREE student licenses for programs like SolidWorks, AutoCAD, and MatLab. They will make you a stronger internship candidate and prepare you for the work you will be doing with companies.