



GUAM POWER AUTHORITY

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I have enjoyed working for the Guam Power Authority for the past six weeks as an Engineering Intern for SPORD. Working for GPA has increased my knowledge and understanding of engineering professions. My background in computers and networking has allowed me to continue my contributions to the network communications of GPA.

While working at SPORD this year, I mostly continued on projects I was assigned to last year. I visited the T&D and Cabras sites and documented the network extensively. Existing documentation on the network was nonexistent, which can lead to serious problems in the future. Documentation is vital for efficient troubleshooting during network outages. Documentation also simplifies network maintenance and upgrade, and performance monitoring. While visiting each site, an inventory of all network devices was also recorded.

In addition to documenting the network at T&D and Cabras, I set up the Paessler Router Traffic Grapher (PRTG). This software allows for the monitoring and classifying of bandwidth usage. All traffic on GPA's network can now be traced to the source, and network bottlenecks can be identified and eliminated. Various other tasks within SPORD were required of me during the summer including assembling contracts, and creating a phone database. My summer employment was much shorter this year, but I was still able to accomplish a fair amount while at GPA.

Over the summer, I have strengthened my engineering background and experiences. This internship allowed to apply my knowledge in a practical setting and gave me a real insight into what an engineering profession consists of. GPA is an enjoyable workplace with friendly and helpful coworkers. This internship will help me achieve my future career goals and provide opportunities that otherwise would not be possible. I once again thank GPA for providing me this opportunity for the past two years. I will be starting my junior year at Villanova University this fall, and plan on enrolling in a program to graduate with a Bachelors and Masters Degree in Computer Engineering in three more years. With so many similarities and common courses between the two fields, I will also have a strong understanding of electrical engineering concepts and technology. After graduation I am highly considering returning to work on Guam. With my past experiences at GPA, I would like to be considered for the GPA engineering scholarship if available to me. Thank you again,

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