

The NASA Experience
By: Alberto Ramos

Motivation

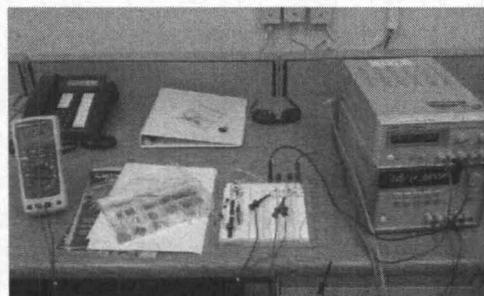
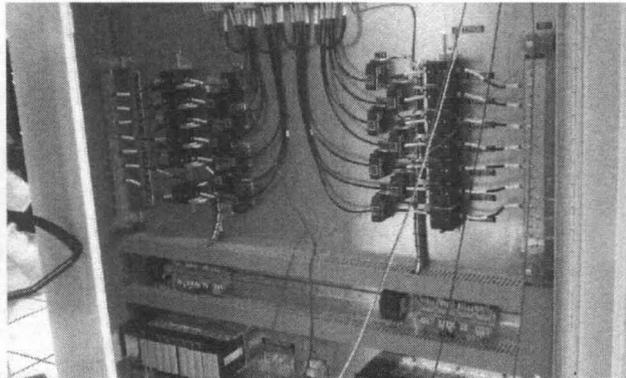
I initially inquired about a position at NASA because space exploration has always sparked my interest. I was motivated by the opportunity to contribute towards exploration and discovery of new technology. The specific job description for my position appealed to me because it outlined skills that I had experience with from past employment and schooling. I was also motivated by my desire to gain experience with teamwork and problem solving for applications concerning my field of study. The professional environment offered by NASA, along with the opportunity to learn and grow was the deciding factor.

Opportunity

I heard about the opportunity to intern at NASA via special interest in NASA and discovering the SOLAR website. I then applied to different positions, and was chosen for my current position of Electrical Design Engineer for ground systems at the Engineering Design Laboratory.

Project

- Testing, fixing, and procuring enclosure systems and components for Kennedy Ground Controls Systems at launch pad B.
- Organizational spreadsheets for all subsystems involved in the project. (Procurement, parts lists, drawings, purchase requests, etc)
- Resolve is a project devoted to the lunar rover that will sample lunar soil in an effort to remove the moisture and separate the metal from the oxygen to produce drinkable water. I helped with the humidity environmental generator for the experiment (moister detector).



Academic Influence

While interning at NASA, I had the opportunity to experience real life applications for what I am studying. Attaining real life work experience has helped me affirm my desire to become an Engineer and help advance technology.

Presentations

I tested an amplifier design real time with the actual hardware it will be using. The test was successful and a video recording of the test is provided. The design will be included in the official design of the project.

Future

I feel that this opportunity has assisted me in my future career plans by reassuring what I want to do with my career. It has provided me insight on real life applications, along with a healthy work environment. I enjoyed not only working and learning new skills from a technical standpoint, but also the relationships and good times I had with my fellow co-workers. I also received aid in building my resume and preparing myself for future employment opportunities.

I, Alberto Ramos, allow NASA Florida Space Grant Consortium to use this report for showcase purposes.

A handwritten signature in cursive script, appearing to read "Alberto Ramos", written in black ink.