

Department: Engineering

Title: Electrical Engineer Intern

Reports to: Electrical Engineer

Job description

Objective:

As an Engineering Intern, you will be working in an exciting engineering and production environment. Aeros is seeking an Electrical Engineering Intern to assist the engineering team with the design, fabrication, and validation of various test, prototype and pre/post-production devices/systems. You will work with team members in all disciplines to solve challenging problems and build institutional knowledge about complex systems. You will be involved in all aspects of design including electrical design as well as systems and mechanical integration.

Essential Functions:

- ◆ Maintain and repair electrical systems and equipment including engines, motors, lighting, generators, control and safety systems, communication equipment, and production machines and equipment
- ◆ Selecting components for design
- ◆ Creating and maintaining electrical drawings
- ◆ Troubleshoot electrical devices in operation and make necessary repairs/modifications
- ◆ Perform skilled work in placing and removing electrical components and repairing wiring systems

Qualifications:

- ◆ Working knowledge of methods, materials, and tools used in electrical repair and maintenance
- ◆ Strong computer skills to include experience with Microsoft Office products with exposure to computer-aided drafting software, such as AutoCAD
- ◆ Control system experience is a plus, ex. PLC and PID control
- ◆ Hands on Experience a plus
- ◆ Good understanding of integration, interconnection, and troubleshooting of electrical and electronic systems
- ◆ Experience with vehicles (transportation) electronics/electrical systems a plus

Skills:

- ◆ Strong written and verbal communication skills
- ◆ Rigorous attention to detail
- ◆ Be able to work in a multi-cultural team environment
- ◆ Strong interpersonal
- ◆ Must be eager to learn

Work Environment:

This position operates in a production setting. This role routinely uses hand tools, larger machinery and standard office equipment such as computers, phones, copy machines, cameras and scanners.

Physical Demands:

This is largely a hands on position, requiring you to frequently stand, use both hand tools and larger machinery. This position also requires periods of time in front of a computer monitor.

Any applicant or employee who requires an accommodation in order to perform the essential functions of the job function should contact Human Resources and request such an accommodation. The individual with the disability should specify what accommodation he or she needs to perform the job. The Company then will conduct an investigation to identify the barriers that make it difficult for the applicant or employee to have an equal opportunity to perform his or her job. The Company will identify possible accommodations, if any, which will help eliminate the limitation. If the accommodation is reasonable and will not impose an undue hardship, the Company will make the accommodation.