

Electrical Engineering Intern

Job Description

Support design, development and productization of innovative systems with a world leading developer of electromagnetic technologies. This internship presents the opportunity to work on a wide range of projects like static electricity sensors, airborne and underwater surveillance systems, oil and gas exploration systems and lightening detection sensors, as well as physiological biosensors. Visit www.quasarfs.com, www.quasargeo.com and www.quasarusa.com to review active projects within the Quasar family of companies.

Initial tasks would include things like the development of a compass for underwater systems and a handheld device to checkout and diagnose electronic systems in the field prior to deployment. Other possible activities include, but are not limited to, the following:

- Participate in New Product Introduction which involves prototype design, debug, failure analysis and design iteration
- Assembly and testing of physiological sensors.
- Refine designs for manufacturability and cost reduction and transfer to high-volume production
- Convert design release engineering documentation to manufacturing documentation
- Typical unit test, system test, field test and other support activities

Employees and interns have the opportunity to grow with the company in regards to role, responsibility, and compensation. This position will begin as a part-time internship that could evolve into a full-time summer internship and later part-time and/or full-time employment

Skills/requirements

- US persons (citizens and permanent residents) only
- Completed courses or have other experience in some or all of the following areas:
 - Microcontroller programming
 - Digital circuit design
 - Digital signal processing
 - Frequency domain analysis
 - Communications theory
 - PC-based applications programming
 - Controlling lab instruments with PC
 - Fundamentals of analog electronics
- Responsible: Fulfills commitments. For example, show-up on-time and when planned, follow through on deliverables, double check own work for accuracy and thoroughness before submitting, etc.
- Flexible: Willing to work extra to meet deadlines (get the job done attitude) and willing to work less when things are slow.
- Ambitious: Seeks excellence in workmanship, strives to enhance knowledge base through continued learning opportunities offered through academia, professional organizations and hands-on experiences, and is motivated by the prospect of career advancement and professional growth.

- >3.5 GPA and demonstrated technical writing skills

Preferred Skills

- Graduate students and undergraduate Juniors and Seniors welcome.
- Prior Electrical engineering work or internship experience is a big plus
- Track record of extracurricular activities is a plus

Application

Email resume, copy of transcripts and a simple paragraph stating interest and general availability to zjacob@quasarfs.com. Be sure to indicate current status i.e. graduate student, undergraduate junior, or already graduated and if not yet graduated include expected graduation date.

Incomplete applications will diminish likelihood of an interview.