

Mechanical 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 lightning 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 designing a pressure vessel and product drawings for underwater systems. 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
- Refine designs for manufacturability and cost reduction and transfer to high-volume production
- Design and assembly of hardware for wearable systems.
- 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
- Solid mechanical engineering base of knowledge
 - Experience/proficiency with SolidWorks
 - Strong understanding of basic material properties, stress and strain analysis, and dynamic force analysis.
 - Familiarity and/or ability to quickly learn about hydrostatics, hydraulics and basic fastener techniques.
- 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.
- Fluency in English, excellent communication and demonstrated technical writing skills
- >3.5 GPA

Preferred Skills:

- Prior mechanical engineering work or internship experience is a big plus
- Machine shop experience and/or willingness to acquire such experience simultaneous to and separate from this internship 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.