

Orb Optronix - R&D Software Engineer Intern

Date: February 16, 2010

Job Title: R&D Software Engineer Intern

Position Summary:

Part-time to full-time software engineering intern working with a team of software engineers to assist with development, testing and debugging the software applications.

Company Environment: Dynamic, collaborative, high-growth, focused, interdisciplinary startup environment.

Description:

Orb Optronix is a leading provider of test and metrology systems for the high brightness LED market. We develop in-house software for metrology products, custom test systems, and custom LED based systems based on customer requirements.

A wide range of software technologies are used including:

- C# / .NET / C++ / C
- Desktop application software
- Real-time embedded software for microcontrollers
- Functional, Event-Driven, and Object-Oriented Programming skills
- Software systems analysis
- Data visualization toolkits
- Strong math skills

Due to continuing growth, we are seeking to recruit high caliber engineers who are ready to begin a career in software development in a highly stimulating environment. This role is flexible, but will be primarily centered around desktop and embedded software development.

Key Competencies:

Able to develop and maintain software and software based systems in both production and lab environments. Strong functional, event-driven, and object-oriented programming skills. Solid understanding of real-time embedded software. Able to work with and under supervision of senior multi-disciplinary colleagues, to develop / test software against defined specifications. Works well individually and within a team environment. Good verbal and written communications skills.

Responsibilities

- Software development & verification.
- Software maintenance, including solving software related problems in operational systems.
- Consultation with 3rd parties on technical software matters.
- Assisting in the maintenance of the company's IT infrastructure.
- Maintaining the integrity, security, and confidentiality of data and other information.

Required Skills:

- In experience with the following design software development tools: C#/.Net.
- Embedded software development
- Self-motivated with a passion for product design and development.
- Excellent communication skills (both written and verbal).
- Ability to organize and distill complex system design information into clear cohesive reports and proposals.

Additional Desirable Skills:

- DSP algorithm or software development
- Custom electronic hardware design and troubleshooting
- Mathematical algorithm development
- Graphical visualization of data sets
- Theoretical and practical knowledge of radiometry, photometry and color science.
- Demonstrated ability to manage and complete multiple tasks and clearly present project information to both internal clients.

About Orb Optronix, Inc. Orb Optronix is on the forefront of innovation in the areas of LED light and color measurement, and LED measurement a service. At the core of Orb's innovative products and services are its people. Orb attracts top candidates in the fields of optics, electronics, software, mechanical engineering, thermal management and industrial design. In addition to our engineering personnel, our first-rate support team makes Orb Optronix a dynamic, productive work environment where smart people and great ideas are brought to light.