



**Description:** R&D – Advanced Technology Intern Position

**Company:** Photon Dynamics, an Orbotech Company

**Location:** 5970 Optical Ct., San Jose, CA 95138

**Intern Duration:** June - August / 2012 - Part time or full time

Our San Jose office is seeking an intern to join our Advanced Technology team. The Advanced Technology team is charged with developing and implementing cutting-edge next generation products for Liquid-Crystal Display (LCD) inspection industry.

As an intern, you will be responsible for a specific project and will work closely with a senior member of the Research team. You will also need to collaborate with colleagues from various functions across the company, including product management and engineering.

The project will include:

- Characterization of an electron beam based inspection system
- Use of cutting edge measurement equipment
- Use of sophisticated analytical methods to automate existing processes and enable new capabilities

The successful candidate will have background/experience in the following:

- Hands-on experience in lab work and analytical measurement equipment
- Strong theoretical background in electron beam and plasma physics
- Experience in optical setups and interferometry
- Familiarity with writing and implementing test plans, results analysis
- Familiarity with experimental & analytical SW tools such as Matlab, LabView, MS Office tools
- Excellent communication & presentation skills

The internship will provide an excellent opportunity to explore state-of-the-art research in a real-world setting, as well as the opportunity to experience life at a fast-paced company centered within the LCD Industry space and to acquire lab-to-market skills. Our Advanced Technology team contains a strong learning culture, designed to help develop skills and expertise.



***The position is likely most suitable for a doctoral or a graduate student in fields such as Applied Physics, Engineering Science, Nuclear Engineering, Electrical Engineering, or related, who is seeking industry experience prior to graduation.***

Orbotech's proven track record, technology leadership and our passion for technology enable our customers to meet their most demanding goals, time after time.

Our expert, multidisciplinary teams possess advanced know-how necessary for developing and providing breakthrough solutions and technologies designed to meet electronic manufacturers' long-term needs for achieving competitive success in their specific markets.

Orbotech offers an extensive range of career opportunities - our corporate culture is designed to foster and encourage professional growth in a stimulating and multi-cultural work environment.

With over 1600 employees and more than 35 offices around the world, we are able to offer our employees a wide selection of opportunities and additional training programs to encourage professional growth, advancement and even relocation to some of our global offices.

We connect customer satisfaction and technological innovation with employee development and this is what sets Orbotech apart, ensuring we remain a leading, profitable and respected company in all our markets.