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<b>Position:</b>	[Multiple] Intern for Electrical / Software / Firmware Electronics Engineering
<b>Department:</b>	Engineering
<b>Location:</b>	Tucson, Arizona
<b>Contact:</b>	<a href="mailto:bsrinivasan@photometrics.com">bsrinivasan@photometrics.com</a>
<b>Status:</b>	Fulltime or at least 15 hours a week

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**Company Information:**

Photometrics and QImaging is a leading designer of high-performance scientific cameras ([www.photometrics.com](http://www.photometrics.com) and [www.qimaging.com](http://www.qimaging.com)). This company is a wholly-owned subsidiary of Roper Industries Inc. [NYSE – ROP], a diversified industrial company on the S&P 500 index.

**Job Summary:**

This engineering intern's initial role shall be to perform camera firmware and functionality testing. Suitable training shall be provided for using and characterizing our cameras. Depending on the skills match, we have future opportunities for interns to work on design, development and testing software, systems, or electronics for life science imaging camera development projects.

**Key Duties and Responsibilities (one or more of the following):**

- Product validation testing.
- Electronics – PCB design, schematics, layouts, hardware bringup.
- FPGA development using VHDL.
- Software – programming in C and C++.
- Embedded software development.
- Image processing using MATLAB, C/C++ programming, or other tools.
- Parallel programming in CUDA/OpenCL in GPUs.

**Required Skills and Experience**

- Candidates shall be enrolled (or have completed) a Masters or Bachelors program in an Engineering or Technical field.
- Ability to clearly and concisely communicate technical concepts verbally and in writing.

**Note:** The scope of this job description is subject to change based on the requirements and evolution of QIMAGING and PHOTOMETRICS. All employees may be required to perform tasks outside the scope of this job description as the need arises. Employees are highly encouraged to continuously learn new skills.

EEO/AA/M/F/Vet/Disability