



Electrical Engineering Internship

Alpenglow Instruments is a solution-based company focusing on the design, development and support of in-situ and remote sensing instruments. Our company was founded in 2013 and we are currently a client of the Wyoming Technology Business Center. We are seeking a third or fourth year electrical engineering student to work 10-20 hours per week at a rate of \$13-\$15 per hour depending on qualifications.

Electrical Engineer Job Responsibilities:

- Designs and develops both hardware and software packages to accomplish real-time data acquisition and control.
- Responsible for leading system design reviews, creating electrical drawings for circuits, wiring harnesses and integrated systems.
- Responsible for developing supporting and documenting software used to acquire, control, record and display data from custom instrumentation.

Electrical Engineer Job Duties:

- Designs, analyzes, builds and tests special-purpose equipment, systems and/or instrumentation for commercial or research purposes.
- Participates in multidisciplinary meetings and consolidates information into useful electrical design specifications.
- Designs, assembles and configures engineering prototype models.
- Prepares documentation on projects including technical drawings, engineering reports, test procedures, test reports, inventories and expense reports.
- Provides engineering information by answering questions and requests.
- Prepares cost estimates and budget recommendations for projects, equipment and supplies; may order supplies as directed.
- Maintains product and company reputation by complying with government regulations.

Preferred Skills and Qualifications:

- Intermediate level of knowledge and skill in Python, C++, LabView and/or other embedded programming and data visualization tools.
- Experience with VHDL or other FPGA programming environments (Lattice etc.).
- Strong technical writing skills.
- Familiarity with network protocols.
- Strong organizational skills.
- Capable of presenting technical information.
- Build and test engineering and/or scientific systems and components.
- Relevant coursework in real-time data acquisition and embedded code development.

Please email resume and cover letter to Perry Wechsler (perrywechsler@alpenglowinstruments.com) by May 18, 2018.