Engineering or Scientist Intern

Job ID: 23-02

Location: Lebanon, New Hampshire

Job Type: Temporary, Non- Exempt

White River Technologies, Inc. is a small, high-tech company focused on research & development, testing, evaluation, and commercial support services for geophysical sensor and software technologies. Located in Lebanon, New Hampshire and Newton, Massachusetts, our scientists and engineers are developing new technologies that utilize magnetic, electromagnetic, radar, acoustic and electro-optical sensing for defense, environmental, and energy applications. We are recognized as a national leader in explosive hazards detection and classification technology development and have a reputation for building innovative solutions to complex problems.

We are seeking an Engineering Intern to work closely with scientist and engineers developing and implementing novel geophysical sensor systems, platforms, and supporting hardware. The successful candidate will be responsible for supporting research and development of the next generation of sensor-related technology for remote characterization of environmental, military, and civil infrastructure applications. Responsibilities may include helping to design, fabricate, and test hardware and software systems. Tasks may include sensor system architecture analysis, signal processing, data analysis, and algorithm development. Hardware and equipment may include magnetic, electric, electromagnetic induction, ground penetrating radar, acoustic, and optical sensors. The successful applicant will have a desire to work both in the laboratory and outdoors in a team environment.

Essential Duties and Responsibilities

- Work under the direction of scientists and engineers
- Design and fabricate sensor and data acquisition platforms
- Test and evaluate custom and commercial geophysical sensors
- Perform system integration between COTS and custom built hardware and software
- Collect geophysical and survey data
- Calibrate and setup of sensor and field equipment
- Help to document work in test plans, reports, and briefings

Education, Experience, and Skills

- Significant coursework toward or completion of a Bachelor's, Master's, or Ph.D. degree in Electrical Engineering, Physics, Electromagnetics/Electrodynamics, or Geophysics.
- Relevant coursework and project experience
- Preferred familiarity with MATLAB, LabView, Java, Python and/or C language programming
- Ability and desire to learn new skills and apply them in the laboratory, field, or at the keyboard
- Demonstrated aptitude to learn new technologies, positive team-oriented attitude, and flexible and perseverant work ethic

Please submit resumes and correspondence to jobs@whiterivertech.com. Reference Job ID in the subject line.

White River Technologies, Inc.
Equal Opportunity Employer   info@whiterivertech.com   *Tel: 603 678-8386*