Software and Machine Vision Engineer

Resonon specializes in hardware and software for hyperspectral imaging in laboratory, industrial, and airborne environments. We are a small business that provides an exciting and friendly environment with a flexible work schedule. Current projects range from developing a sensor for a NASA satellite, to implementing custom machine vision solutions for manufacturing problems, to helping researchers deploy our sensors on small drones (UAVs). We pride ourselves in maintaining a healthy balance between work and play. Resonon is in Bozeman, Montana, a lively university town with an excellent school system, minutes away from outstanding skiing, mountain biking, fishing, white-water boating, and rock climbing. We are seeking a full-time software engineer who enjoys new challenges to work with our team on end-to-end software supporting our spectral imaging hardware and its applications.

Duties:
- Develop, improve, and maintain full stack applications for industrial, desktop, and airborne machine vision, including data acquisition, user interfaces, data analysis, and hardware control
- Interface various components such as cameras, encoders, GPS units, etc.
- Troubleshooting and customer support

Requirements:
- Fluency in Python (80% of code)
- Working knowledge of C/C++ (20% of code)
- Ability to quickly learn new technologies and techniques and adapt to changes
- US citizenship or permanent work visa

Additional relevant experience areas:
- Machine Vision & Machine Learning strongly desired
- Remote Sensing
- Image Processing
- Integration of hardware devices
- A background in physics, mathematics, or computer hardware
- Linux programming and system administration
- Cross-platform Graphical User Interface (GUI) development
- High-performance computing

Details:
- Full-time salaried position, salary commensurate with your background
- Opportunity for growth and advancement

How to apply: Please send cover letter and resume to hr@resonon.com.