GRYFN

Remote Sensing Scientist

Seeking to hire a highly motivated scientist/engineer to support collection, analysis, and interpretation of remote sensing data acquired from multi-sensor aerial and ground-based platforms in agriculture. The successful candidate will support system calibration of remote sensing platforms with RGB/LiDAR/HS-VNIR/HS-SWIR/thermal cameras, processing, and analysis of remote sensing data.

The position also includes development, implementation, and evaluation of algorithms for analysis of multi-sensor data. Experience in development of interfaces for remote sensing and plant phenotyping data is desirable. The candidate will also engage with installation, calibration, and training of customers.

Key Qualifications

- MS/PhD in Electrical or Civil Engineering, Geomatics, Computer Science, Robotics, or related fields
- Advanced understanding of photogrammetry and image/signal processing
- Technical knowledge of Inertial Navigation System (INS), Inertial Measurement Units (IMU) and Global Positioning System (GPS) applications.
- Must be able to research and fix problems efficiently and independently.
- Must be able to work well in a group and have strong communication skills.
- Expertise in python, C/C++ programming languages
- In-depth experience with machine learning, data mining, Python, R, SQL, GIS and data visualization / interpretation methods is required.
- Demonstrated expertise in applying state-of-the-art data analytics for research problems.
- Critical thinking and strong problem-solving skills.
- Strong communication skills
- Ability to understand and participate in developing the company business plan and strategies

Key Responsibilities

- Lead data processing, algorithm development, and analytical processing.
- Contribute to strategy and execution of software roadmap and development.
- Provide statistical and machine learning expertise, and collaborate to improve experimental design, data collection, modeling, process design and interpretation of complex datasets to enable data-driven decisions.
- Analyze and organize large data sets, identify relevant variables and define solutions for company use.
- Use high-performance machine learning algorithms (decision trees, neural networks, etc.) and apply them on range of research and business projects.
- Explore computer vision and image processing analysis algorithms, using tools like RGB, hyperspectral, fluorescence, LIDAR, and 3D imaging for detecting and classifying objects in variable resolution datasets.
- Develop and deploy end-to-end data engineering and data science pipelines at scale for users with diverse backgrounds.
- Support company goals and objectives, policies and procedures.
- Perform other duties as may be required by supervisor.

Send Resume/CV and Cover Letter to Matt.Bechdol@GRYFN.io