UAS Pilot Intern – West Lafayette, Indiana

GRYFN is a Purdue University startup that provides advanced multi-modal sensing solutions for Agriculture Research Markets. We offer research-ready, high precision, multi-sensor UAV solutions that simultaneously acquire high resolution RGB, LiDAR, and Hyperspectral data. Our software provides enterprise-ready datasets and analytics of multi-modal, multi-temporal data for plot and plant-scale phenotyping insights to drive actionable decisions.

We are in immediate need of a highly motivated UAS Pilot/Remote Sensor Operator to support continued grant and customer work. The candidate will support UAS operations, data acquisition, and data processing of remotely sensed data acquired from multi-sensor aerial-based platforms for agriculture and other natural resource markets.

The successful candidate will:

- Perform UAS flight operations and remote sensor data collection.
- Act as Pilot in Command while operating the GRYFN platform.
- Demonstrate safe and responsible handling and operation of the GRYFN UAS platform.
- Conduct pre-flight mission planning, including analyzing weather forecasts, checking Notice to Airmen (NOTAMs), filing LAANC requests when necessary, and other airspace requirements.
- Utilize GRYFN's processing software programs to process research grade multi-sensor data.
- Collaborate with other members of the GRYFN team to perform flight and data collection operations.
- Operate Trimble GNSS surveying products such as the SPS585, R10, and Alloy Receiver.
- Conduct field data checks following data collection to ensure data was properly captured.
- Complete post-mission flight logs for all flights.
- Gain experience operating a DJI M600 Pro equipped with a custom-integrated sensor package.

Key Qualification Considerations:

- Current 14 CFR Part 107 (Remote Pilot) Certification required.
- In progress or completed tertiary education in Unmanned Aerial Systems, Remote Sensing, Robotics, or related fields.
- Prior Unmanned Aerial System flight experience, preferably with DJI platforms.
- Expertise in UAS mission planning software such as Litchi or DJI Ground Station Pro.
- Basic experience with GNSS surveying techniques.
- Ability to lift 50+ pounds and be on your feet in the field for several hours at a time.
- Valid driver license
- Ability to work independently and as part of a team.
- Possess strong problem-solving and communication skills.
- Able to work through ambiguity and troubleshoot issues in the field.

Ready to contribute to the future of multi-modal sensing for agricultural research and natural resources? Interested candidates should send a cover letter, resume, and references of relevant experience to **careers@GRYFN.io** for consideration.