Unmanned Aircraft System (Drone) Intern

Job Description:

Under general direction of the Field Inspector/Drone Pilot and Director, conducts unmanned aerial vehicle (drone) mosquito larval control applications. Collects and receives shape files and data from GPS equipment and field operations for UAS applications. Conduct a research project pertaining to UAS mosquito control application. Intern will gain an understanding and knowledge in mosquito abatement and vector control, with experience in handling various activities and assignments throughout the full range of services performed by a mosquito abatement district.

Example of Duties:

- Conducts unmanned aerial vehicle (drone) mosquito larval control applications including transport, set up, map creation, and unloading material for UAV applications for larval and adult mosquito control.
- Assist in preparing maps for aerial spray application and submit to system.
- Imports collected GPS field data into a GIS database. Helps maintains the GIS database to ensure data accuracy.
- Prepares weekly reports based on collected data to be used as a tool in mosquito abatement efforts.
- Conduct a research project on UAS mosquito control applications.
- Performs related duties as assigned including fieldwork to verify efforts.

Minimum Qualifications:

- High school diploma
- Part 107 licensed.
- 1 yr. + of college-level coursework in computer science, information technology, or a related field.
- Experience in general UAV (drone) operation. An equivalent combination of education and experience sufficient to successfully perform the essential duties of the job as listed above.
- Excellent technical writing and database management skills and a working knowledge of computer networking and systems administration.
- Ability to obtain a Non-Commercial Pesticide Applicators License in public health from the Utah Department of Agriculture and Food, within 3 weeks of hire date.

Preferred Qualifications:

- Proficiency in multiple computer applications but should specifically possess skills in database management systems.
- Ability to interpret data and spatial attributes of data.
- Working knowledge of cartography and map design best practices.