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National Council for Air and Stream Improvement, Inc.

Job Description

Position: **Wildlife Biologist III – Pollinator (1 position)**
Reports to: Sr. Research Scientist – Western Forest Wildlife Ecologist
Work Week: Exempt position; 40+ hours per week to meet work demands
Revised: February 18, 2025
Duty Station: Remote
Duration: Project dependent, March through August (at least 6 months)
Salary: \$4,889 - \$5,700 per month; commensurate with experience
Key Words: Bumble bees, camera traps, northern California, detection models
Benefits: Position eligible for benefits

Wildlife Biologist III will assist in designing an experiment for camera trap deployment in Northern California to study automated bumble bee monitoring efficacy. They will process and analyze data collected during the 2024 and 2025 field seasons, develop computer vision models for the identification and classification of bumble bees, and conduct experiments to optimize model performance.

Essential Job Functions:

1. Contribute to designing insect camera trap prototype, including imaging system and lure.
2. Supervision and mentorship of undergraduate researchers helping develop camera system.
3. Advise on issues with camera trap field deployment or troubleshooting.
4. Develop object detection models from new and existing datasets.
5. Review quality, and conduct preliminary analysis, on data received from camera traps.
6. Maintain image dataset organization, performing image annotation.
7. Develop deep learning classification model for bumble bee identification.
8. Participate in regular meetings with other project staff.

Additional Responsibilities:

1. Undertake additional activities assigned by Supervisor.
2. Follow all COVID safety protocols.
3. Pass a mandatory pre-employment drug test.

Minimum Qualifications:

1. Minimum 2 seasons of experience with bumble bee camera traps
2. Master's degree in a biological science discipline or a related environmental field
3. Experience with computer vision model development and evaluation
4. Knowledge of electrical systems, Linux OS, and Python.

To Apply: Please send cover letter, resume, and 3 references with phone numbers and e-mail addresses to: Laurie Clark, NCASI, 8769 Hwy 42, Tenmile, OR 97481, preferably delivered electronically to: lclark@ncasi.org with “**Wildlife Biologist III – Pollinator**” in the subject line. Applicant review will begin promptly and continue until the position is filled. NCASI is an equal opportunity employer.