

SOFTWARE ENGINEER - PERCEPTION

Pegasus is actively developing the technology and people necessary to create an equilibrium between humanity and our environment through an intelligence-driven approach to our biggest challenges. We are recruiting for talented, highly motivated individuals looking for the challenge of a lifetime.

RESPONSIBILITIES

Lead development of software and protocols for communications between aircraft electrical and servo components, including ROS.

Use sensor data from Remotely Piloted Aircraft Systems to detect hazards and execute avoidance maneuvers.

Design innovative sensors configurations to operate on a mass-constrained platform.

Evaluate the entire system and contribute to system-level trades to find the most effective ways to operate our lifesaving service in complex environments.

Design develop and test algorithms within an interdisciplinary team that directly contributes to solving massive challenges.

PREFERRED SKILLS AND EXPERIENCE

Built systems that work in low-connectivity situations.

Familiarity with languages like C, C++, and Python.

Signal processing, especially in radar arrays and antennas. •Machine learning, especially for processing real-world sensor data.

Computer vision, especially in embedded systems or robotics.

Applying a Heuristic approach to problems you haven't encountered before.

ADDITIONAL REQUIREMENTS

Ability to pass Royal Canadian Mounted Police background check.

Must be willing to travel (approximately 10%) to field locations as necessary.

Pegasus Imagery is an equal opportunity employer and diversity supplier. Employment with Pegasus is governed on the basis of merit, competence and qualifications and will not be influenced in any manner by race, color, religion, gender, national origin/ethnicity, veteran status, disability status, age, sexual orientation, gender identity, marital status, mental or physical disability or any other legally protected status. If this is the challenge you've been looking for, or believe you have skills and experiences not listed but could be a major benefit to our mission, email your resume to careers@pegasusimagery.ca