

## **MATLAB DEVELOPER, 4 MONTH CONTRACT - OTTAWA**

What defines a world leader - Experience in more than 60 countries, global industry and customer respect, and an international reputation in technology and innovation. As a global leader in Air Traffic Control and airport infrastructure, Intelcan designs, manufactures, and integrates Communication, Navigation, Surveillance and Air Traffic Management (CNS/ATM) products and solutions. Are you a dynamic team player willing to help us drive success in a fast-paced industry? If so, we want to hear from you.

Intelcan Technosystems Inc. is seeking a self-starter Master student to join its Ottawa-based Engineering Team. As a Matlab Developer you will be responsible for the development and verification of RF coverage tool for next-generation air traffic surveillance systems. This position requires a strong knowledge of Matlab programming and good understanding in RF signals propagation and RF systems.

### **Duties and Responsibilities**

- Develop the Matlab script that generates Line-of-Site coverage of single radar sensor based on the SRTM terrain database.
- Develop the Matlab script that combines the coverage's of four radar sensors to produce common coverage footprint.
- Develop the Matlab script that generates single - sensor Line-of-Site coverage with link budget limitations
- Develop the GUI to control the newly developed tool
- Work closely with system engineering team to determine the specifications of the coverage tool.
- Write high-level design document, product description document, product user manual.

### **Qualifications and Requirements**

- Bachelor degree in Electrical Engineering
- Knowledge in RF propagation and RF systems, digital and analog communication theory
- Strong knowledge of matrixes operations, linear algebra
- Proficiency with MATLAB/Simulink
- Uses initiative to generate engineering requirements, identify and resolve problems/issues.
- Excellent oral and written communication skills with resourceful problem solving abilities
- Self-motivated to work independently with strong tendencies to be a dynamic team player
- Ability to express verbal and written technical and business issues clearly
- Positive attitude, results oriented, highly motivated and reliable

We thank all applicants; however only those selected for an interview will be contacted.