JOB POSTING – POSITION: MACHINE LEARNING DEVELOPER

Term: Permanent, full-time
Benefits: Medical benefits, Annual bonus, Flexible work schedules
Job Location: Kelowna, BC
Deadline: 31 August 2019

Job Requirements & Qualifications

Applicants should have the following experience:

- Applicants should be able to program in Python and C++
- They will have experience developing and maintaining deployable code
- Ideal candidates will have experience developing/training deep learning algorithms
- They will be a self-starter and enjoy working on a diversity of tasks in a start-up environment

Job Description

If successful, you will be working with the TerraSense Analytics machine learning team adjacent to UBC Okanagan to develop new AI platforms for the utilities, natural resource, and defense sectors. Integrating deep learning into deployable software will be your primary objective.

You will work to develop research-grade code as well as deploy industry-grade software solutions utilizing deep learning algorithms. Working closely with our data scientists who will provide you with high-quality datasets and even models, you will solve the challenges of creating deployable machine learning solutions at the edge.

Working in a start-up environment means working closely with a multidisciplinary team, including imaging specialists, data scientists, and other developers. Identifying creative solutions to challenging problems will be a constant part of this role, whether it be in data fusion, ensembles of neural networks, human-computer interaction and explainable AI, or IOT solutions.
Organization Description

Headquartered in the Okanagan Valley of British Columbia, TerraSense Analytics uses and develops remote sensing technologies with a focus on deep learning for sensor intelligence. We are an innovative company, partnered with several research institutions to advance the development of UAV remote sensing technology, providing services to both the government and the private sector in the fields of utilities, natural resources, and security.

We appreciate and support our employees' diverse backgrounds and talents, and see their creativity as our greatest resource. We are developers, data scientists, resource professionals, and biologists living in the Okanagan who understand the industry inside and out. We have expertise with safety procedures, standard operating procedures, copying from Stack Overflow, and legislation and regulations in a variety of jurisdictions.

We strive for true innovation in the field of intelligent remote sensing. Our machine learning team develops custom deep learning solutions in-house to extract information from our sensor data. Our team has delivered Artificial Intelligence powered products to several industry clients and has developed industry-leading expertise in UAV remote sensing analysis using AI. From individual tree counts and species identification, ultrasonic utility monitoring systems, to aerial intelligence and surveillance, our AI Team continues to push the envelope on what is possible with deep learning and sensor data.

Bonus Job Qualifications

The following skills count for bonus points:

- Working with image / audio data processing, signal processing
- A well-curated GitHub portfolio / open source contribution
- Experience working with ‘cloud’ compute infrastructure (AWS, GCP)
- Experience building GUI / interface using (eg. QT, C#)
- Experience working with industrial IOT solutions (eg. LoRa, SigFox)

Due to the volume of applications we receive, only those selected for the interview process will be contacted.