Machine Learning Algorithms Developer

In a world where technology advances in an exponential rate, the human-machine interface is still mostly confined to the visual and tactile senses. In contrast, for human-to-human interaction we heavily rely on speech. In addition, the auditory information is very useful for humans in detecting a variety of situations, including hazardous ones. Recently, the interest in voice human-machine interface, and in audio inference has grown dramatically.

At the same time, Machine Learning (ML), and in particular Neural Network (NN) based algorithms are proving useful and superior to “classical” approaches in many fields, including vision, speech, natural language, cyber security, business, bio-medical, and so on.

In this role you will work in a team that seeks, studies and develops state of the art ML algorithms oriented mainly on voice and sound, but not limited to that. The work will also rely on classical signal processing algorithms where needed. In addition, you may need to escort the developed algorithms for their implementation in software. Furthermore, you may aid in defining the implementation of a generic or dedicated hardware solutions.

Basic Qualifications

- Master’s degree or equivalent practical experience.
- Familiar with scripting programming languages such as Matlab or Python.
- Theoretical knowledge in at least one of the following fields:
  - Machine Learning and Deep Neural Networks.
  - Speech / Audio Signal Processing.
- Strong self-learning ability.

Preferred Qualifications

- PhD degree.
- Strong, object-oriented design and coding skills in C/C++ and Python.
- Experience with a NN framework such as TensorFlow / Caffe2.
- Experience in speech / audio signal processing.
- Background in computer vision - advantage.
- Familiar with UNIX / Linux systems.

dspg.Machinlearningalgo@applynow.io