

Job Description

Position: Deep Learning AI Scientist

Responsibilities:

The successful candidate for the position of Deep Learning AI Scientist will be responsible for the design, development and creation of analytical solutions through Data Mining, Machine Learning and Artificial Intelligence applications. The Deep Learning AI Scientist will join an interdisciplinary team of software engineers, computational biologists, bioinformatics analysts, laboratory scientists and management executives who are working together to develop new methodologies to rapidly and accurately identify new genotypic and phenotypic factors that may lead to disease, and to provide best-in-class tech-enabled services for pharmaceutical and other healthcare & life sciences customers so that those customers may develop better options for disease diagnosis and/or treatment. The Deep Learning AI Scientist will be expected to maintain a high level of professional standards in analysis, development coding to support the various initiatives and activities of the organization. The successful candidate will have a demonstrated ability to work in a fast paced, high quality environment with a focus on delivery of high speed and high availability systems and solutions.

Basic Qualifications: MSc or PhD in computational science and engineering or/and applied mathematics, involving intense computations. For example, in one or several of the following fields: Probability, Statistics, Stochastic processes; machine learning, neural nets; computer vision, NLP, medical imaging; graphs, signal processing; optimization, fast multi-level solvers, upscaling; partial differential equations, integral equations; computational physics/chemistry.

Experience in state-of-the-art numerical algorithms and/or machine learning technologies:

MSc or PhD in computational science and engineering or/and applied mathematics, involving intense computations.

Excellent programming skills with at least three years of experience working with Python, and C++.

Background in applied mathematics and/or computer science, in particular machine learning, statistics, and graphs: software and algorithms.

Experience in state-of-the-art numerical algorithms and machine learning technologies

Preferred Qualifications

Extended experiments in machine learning and/or statistics

Familiarity with one or more of the following: MXNet, Pytorch, Caffe, Tensor flow.

Publications at top-tier peer-reviewed conferences or journals

At least 1 year of post-graduate experience in academic or industry environment

Proven track record of innovation in creating novel algorithms and advancing the state of the art

Experience working with large datasets and Deep Learning algorithms

Excellent written and verbal communication skills, ability to communicate effectively to both technical and nontechnical audiences.