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Re: Data Scientist

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To Whom it May Concern:

I am applying for the Data Scientist position advertised on LinkedIn. I have a Master of Science in Applied Computing as well as B.Math in Statistics and Computational Math. I also have 1 year and 4 months work experience as a Machine Learning Researcher for Datalogue. I have taken courses on Inference for Big Data, Classification (Machine Learning), Function Estimation, Computational Inference, Object-Orientated Software Development, Data Types and Structures, databases, as well as taken several courses on Deep Learning including generative models. Though my courses and work at Datalogue, I worked with tensorflow, keras, Python, R, and SQL.

I have over a year machine learning work experience with Datalogue working on various NLP (Natural Language Processing) models including classification, segmentation, and anomaly detection. The segmentation model breaks down strings down into it's components, the main purpose of this model was to break addresses down into parts such as street address, city, state, etc. The anomaly detection model was designed to quickly find anomalies in text column data, returning a ranking of possible entry anomalies usually between a few seconds or a few minutes. Both will become a Datalogue product/service in the future.

I have also created and experimented with various machine learning models within Datalogue. I created a model that was designed to help training classifiers when working with noisy labels (data that have a wrong label assigned to it). I also created a model for classifying whole columns of text data. This model would take in all of the text data in a column and classify the column as a whole entity. Initial results were very positive, reducing the loss by 1/50.

Thank you for your time and consideration. You can contact me at my cell (514)-802-1234, or e-mail me at darrell.aucoin@edu.uwaterloo.ca. I look forward to speaking with you further regarding my qualifications.

Sincerely,

Darrell Aucoin
encl: Darrell Aucoin