Yang **Dai**

247 Presidents Lane, Quincy, Massachusetts, 02169, US

(+1) 510-363-6334 | daiy@mit.edu | www.yangdai.info | superyang713 | yangdai713

Hiring Team   *March 29, 2019*

Integrate.ai.
480 University Avenue,
Toronto, ON M5G 1V2, CA

Job Application for Data Scientist

Dear Hiring Manager,

About Me

I was pleased to learn of the available Data Science position at Integrate.ai. With my Phd degree in Physical Chemistry and six years of experience managing data-related solutions under my belt, I am confident I will be a valuable asset to your team.

Why Me?

In my current role as a postdoc at MIT, I have been afforded the unique oppotunity to spearhead a project focused on big data processing. This project has allowed me to drastically expand my predictive analytics and feature extraction capabilities. Through my contribution, the project has produced substantial meaningful results for our research. I am well versed in deriving viable solutions to complex scientific problems through data analysis and management.

During my PhD studies at the University of Utah, I worked extensively with machine learning and data mining techniques to infer the coverage of size-selected metal clusters deposited on a single crystal. I was also responsible for using data visualization techniques to generate meaningful plots for research findings publishing and presentation. I worked on a large collaborative project, involving seven other research institutes. Working closely with other groups allowed me to hone my interpersonal skills and the ability to present complex technical information to non-expert personnel.

I am a fast learner and never afraid to try out new things. Over the years, I have developed many interests in the field of programming, such as web development, cloud computing, and Shell scripting, and put them into practice. There are two surface science instruments in my lab that requires constant monitoring to prevent liquid nitrogen shortage, so I decided to build a webapp to monitor our research equipment condition in real time. It was a side project. I rapidly learned and applied multiple new skills within days, such as Django, JavaScript, and AWS, and finished the app within a week. I am very confident that I could quickly ramp up and add value to your team - both in Python-based work; and any other languages/tools/algorithm you use.

Thank you for your time and for considering my candidacy for this position. I look forward to hearing from you in the near future to schedule an interview.

Sincerely,

Yang Dai