Dear Hiring Authority Wednesday October 10, 2023

After reviewing your posting for a Machine learning Engineer for Therapeutic Protein Design, I would like to submit my credentials for your review. As a Research Professional here in Cambridge, my most recent appointments have been in the Small Molecule Drug Discovery space for Neurodegenerative Disorders. With regards to this position, I can speak to the following relevant experience…

* Masters plus 5 years industry relevant experience.
* Hands-on experience (5+ years) in protein design and engineering,
* Hands-on experience (2+ years) in developing and applying machine learning and AI algorithms
* Broad knowledge of state-of-art machine learning approaches to biological data analysis. Familiarity with large model architectures and training approaches
* Fluency with Python.
* Knowledge of best practices for software development, including version control, unit testing, and continuous integration
* Strong publication record in protein design and engineering for therapeutic protein applications
* Knowledge and hands-on experience with physics-based protein modeling such as PyMOL,
* Expertise in the computational modeling of biomacromolecules

I have also conducted research on several disease states and their biological underpinnings. This involved attention to detail, trouble shooting and good communication skills. In support of my Assay Development efforts at Amgen and Caraway, I used scripting languages to read manipulate and visualize High dimensional data in an automated way. I also had the opportunity to parse web data and have been introduced to packages used in supervised and unsupervised machine learning tasks such as Sci-kit learn. It is my hope to continue to develop these skills while at the same time make meaningful contributions to your team.

It would be my pleasure to gain new and valuable experience. Currently I am adding skills in data science to my repertoire thru online learning. As with my previous employment I would bring a can-do attitude into this exciting role and look forward to discussing my credentials in person or over the phone.

Thank you for your time and attention

Sincerely

Jabbar Campbell