**Amin Shirazi**[ashirazist@gmail.com](mailto:ashirazist@gmail.com|)

**February 1, 2022**

**The Johnson & Johnson Talent Acquisition Team**

RE: **Statistical Programming Lead**

To whom it may concern:

My name is Amin, a Ph.D. candidate in Statistics at Iowa State University with an anticipated graduation date of summer 2022. My research is related to hypothesis testing for high dimensional data with an application in genetics and microbiome data analysis. I address the problem of difference in the population means or proportions in two groups studies when there is strong dependence in the data.

I have invaluable academic, internship, and industry experience in statistics. I have 15 months of internship experience as a graduate biostatistics intern in two different pharmaceutical companies in the past two years. The internships helped me improve my knowledge and expertise in data intuition, data structure, and statistical modeling and enhanced my coding/programming skills. I contributed to developing six different R packages, all relevant to popular projects in pharmaceutical studies. In addition, in my most recent internship experience, I created and developed three shiny apps for pharmacists and oncologists who had no R experience. I deployed R codes to an interactive web app to provide user-friendly apps with various tools for survival analysis of oncology studies.

Besides improving my programming proficiency, I mastered my teamwork, communication, and research skills for a successful collaboration with technical and non-technical stakeholders. As a result, I could author and co-author the results of my internship projects into two journal articles.

In my current role as a statistical consultant, I get involved in many interesting statistical applications in designing, developing, validating, and maintaining big data-driven predictive models, tools, and pipelines. I use my statistical knowledge and expertise to translate a feature and design functionality question to a data science problem and formulate innovative solutions to experiment and implement advanced data analysis techniques.

While I am independently motivated, I appreciate collective efforts and collaborate productively within group settings. Moreover, I am competent in statistical computing, data analytics, research, and data management with proficiency in R.

This opportunity is inspiring as my professional goals align with *Align Technology* mission and vision. Further, my communication, interpersonal, and leadership abilities will support your continued organizational efforts.

Thanks for your time and consideration, and I am looking forward to hearing from you.

Sincerely,

Amin Shirazi