Amin Shirazi

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February 2, 2022

Dear Hiring Managers at Deloitte,

I am writing to you to apply for the **Senior Data Scientist** position with *Deloitte*, which I located on your website. I am currently 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 vital dependent variables. I believe I am a good fit for this position because of my research and industry experience, programming expertise, and interpersonal skills.

I have valuable academic, internship, and industry experience in statistics. I have had 15 months of internship experience as a graduate biostatistics intern at *Merck* and *ClinChoice*, which are pioneers in the pharmaceutical and biotechnology industry. The internships helped me improve my knowledge and expertise in data intuition, data structure, and statistical modeling and enhanced my programming skills. I contributed to developing six different R packages, all relevant to popular topics in pharmaceutical studies. I mastered writing and organizing reusable R functions, documentation, code validations by unit tests, and sample data. In addition, in my most recent internship experience, I created three Shiny apps for pharmacists and oncologists who had no R experience. I deployed R codes to interactive web pages to provide user-friendly Shiny apps with various tools for survival analysis of oncology studies.

Besides improving my programming expertise during my internships, I strengthened skills in teamwork, communication, and research, which have allowed me to collaborate with technical and non-technical stakeholders successfully. Through my collaborations, I published the outcomes of my internship projects in two peer-reviewed journal articles.

As a statistical consultant, I work on many statistical applications, designing, developing, and validating big data-driven predictive models, tools, and pipelines. I translate research questions into data science problems and formulate innovative solutions to implement advanced data analysis techniques with my statistical knowledge and expertise.

My experiences working with numerous statistical and data science projects and my strong work ethic and teamwork skills would be an excellent fit for *Delloite*. I am competent in statistical computing, data analytics, research, and data management with proficiency in R. I look forward to discussing my qualifications with you further in an interview. Please refer to my resume for more details.

Thank you for your time and consideration.

Best regards,
Amin Shirazi