

## Department of Corrections

July 3, 2023

WASHINGTON, USA

### BIOS Manager (Principal Research Statistician)

Dear Hiring Manager,

I am writing to apply for the position of BIOS Manager (Principal Research Statistician) at The Washington State Department of Corrections. With my extensive background in research, statistical analysis, and leadership, I am confident in my ability to contribute to the success of the DOC's business intelligence and operational surveillance initiatives.

In my previous role as a research scientist, I spent 13 years conducting cutting-edge biomedical research focusing on early childhood language learning and neurodevelopmental disorders in pediatric populations. My work involved designing and executing experiments, utilizing digital signal processing and statistical analysis techniques to synthesize insights from complex medical imaging datasets. I have leveraged DataOps tools such as Python and R to develop exploratory data analysis, mining, and visualization routines on high-value health data throughout my tenure. Additionally, I have contributed to developing open-source analytics software, facilitating data sharing, provenance management, and analytics automation.

As a research scientist, I have worked collaboratively with fellow researchers, providing mentorship and guidance to graduate students. I have also collaborated closely with department leadership to advise on data reporting activities and manage research grants effectively. Through these experiences, I have honed my interpersonal and leadership skills, allowing me to effectively navigate cross-functional teams and communicate research findings to various stakeholders. This experience provided insights into the challenges and opportunities of managing data systems in a public sector setting.

As a Management Analyst in the Research and Data Analytics division at the DOC, I have become familiar with skills and subject matter expertise relevant to the BIOS Manager role. I work alongside data and information technology specialists to develop an enterprise data warehousing infrastructure that supports agency business intelligence and operational surveillance. Moreover, I have actively pursued continuous learning opportunities to enhance my skills. I have engaged in agency-sponsored learning activities focused on Microsoft Azure cloud computing and analytics tools and expanded my proficiency in SAS software for SQL data mining and ETL processes. These endeavors have allowed me to stay at the forefront of emerging technologies and best practices in data science.

My passion for data science, research background, and experience in statistical analysis make me an ideal candidate for the BIOS Manager position. I possess strong leadership skills and thrive in mentoring and guiding teams, fostering a collaborative environment that encourages learning and growth.

I am excited about joining the DOC as the BIOS Manager and contributing to its mission. Thank you for considering my application. I welcome the opportunity to discuss how my skills and experiences align with the position's requirements in greater detail. I am available at your convenience for an interview.

Sincerely,

**Kambiz Tavabi Ph.D.**