Michael Le

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June 5th, 2024

# To: Bree McCartney

HR Business Partner

Environment Protection Authority Victoria (EPA)

200 Victoria St

Carlton VIC 3053

Dear Bree McCartney:

# Re: Associate Data Analyst/ Environment Protection Authority Victoria (EPA)

I am writing to express my keen interest in the Associate Data Analyst role at Environment Protection Authority Victoria (EPA). With a Master of Data Science (Big Data & Cloud Computing) from La Trobe University and a Bachelor of Science in Statistics & Stochastic Processing from the University of Melbourne, I am excited about the prospect of contributing my skills and experience to your esteemed organization.

My academic and professional journey has equipped me with a robust skill set in data analysis, visualization, and manipulation, with proficiency in Python, R Programming Languages and SQL. During my virtual internships at Quantium and PwC Switzerland, I honed my abilities in statistical analysis, modeling, spatial analysis, machine learning, data wrangling and data visualization. I am particularly drawn to the Environment Protection Authority Victoria (EPA) because of your commitment to leveraging data-driven insights to enhance advanced analytics to automate detection to enable all Victorian communities to be protected from pollution and waste. This aligns perfectly with my passion for applying statistical analysis and machine learning to make informed decisions, optimize processes, and drive sustainable outcomes.

In my previous projects, during my spatial analytics course I demonstrated my ability to derive actionable insights from complex datasets. For instance, I applied advanced analytics and machine learning to forecast and identify high pollution areas by collecting and organizing spatial data on sources of pollution, such as industrial facilities, traffic, agriculture or waste disposal. To measure spatial patterns of hotspots, clusters or outliners where future events hotspots of pollution and waste will likely occur, showcases my ability to create analytics that can be utilized by proper management teams to strategize effectively aligning to EPA’s strategic priorities.

I am highly motivated to bring my problem-solving skills and strong communication abilities to EPA. My goal is to translate data insights into actionable strategies that enhance team performance and drive game outcomes. I am particularly impressed by your innovative approach to integrating technology and analytics to support regulatory operations and decision making, and I am eager to contribute to this forward-thinking environment.

I am confident that my background and skills align well with the requirements of this role. I would welcome the opportunity for an interview to discuss how my experience and enthusiasm can benefit EPA. Enclosed is my resume for your review, and I can be reached via phone or email at your convenience. Thank you for considering my application.

Yours sincerely,

Michael Le