Sung Wook Chung
Email: sungwookmonash@gmail.com
Mobile: +61 474 126 352

28 May 2025

RE: Application for Data Scientist position

Dear Mr. Ronny Haughton,

My name is Sung, I am very excited to apply for the advertised Data Scientist position. With a PhD in neuroscience and over six years' experience in data science and machine learning, I have built and deployed machine-learning models, analysed complex datasets, and developed scalable data pipelines.

In my current role at Cyban, I develop machine-learning models using neuroimaging data for real-time patient monitoring. I automate data-processing pipelines to enhance predictive capabilities and apply software-engineering best practices to improve code efficiency and reliability. As part of a cross-functional startup team, I collaborate with clinicians and researchers to develop an interactive data-visualisation tool for actionable insights, and partnered with engineers, regulatory affairs specialists, and product managers to shape our FDA submission strategy.

At the Bionics Institute, I led the design and deployment of cloud-based algorithms using Google Vertex AI and implemented real-time data visualisation solutions on AWS for neurophysiological experiments. In addition, I developed and implemented data-processing and analytical pipelines for the ongoing clinical trial of personalised Alzheimer's treatments. This experience enhanced my ability to work with complex datasets and deliver real-time insights.

I am proficient in Python, R, and MATLAB, with expertise in machine learning libraries such as Scikit-learn and TensorFlow/PyTorch. My background in statistical modelling, feature extraction, and signal processing enables me to extract valuable insights from high-dimensional data. Having worked across both research and industry settings, I translate data into practical solutions that are important in business decision making.

I am passionate about data science work, and I find it hard to imagine myself doing anything else. I have always been focused on mission at hand and ready to solve whatever comes next. While this has helped me with my analytic skills, it also meant that I have yet to work with LLM or AI agents. Learning new things are one of the factors that drive me, and I would like the opportunity to gain hands-on experience with the latest innovations.

I would love the opportunity to discuss my qualifications further and explore how my skills can benefit the team. I am also eager to learn more about the company and the challenges it is tackling. Please find my CV attached, and feel free to contact me with any questions.

Thank you for considering my application.

Sincerely,

Sung Wook Chung