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Descartes Labs
1613 Paseo De Peralta Ste. 200
Santa Fe, NM, 87501

It is a pleasure to submit my cover letter and résumé for the Applied Scientist position at Descartes Labs. With significant experience in data analysis, image processing, and computational programming with Python, I am ready to become an immediate and effective member of the ISR-1 team. For your consideration, I have provided the following summary of my knowledge, skills, and accomplishments relevant to this position.

- Master's Degrees in Nuclear Engineering from the University of Wisconsin - Madison and Biophysics from the Medical College of Wisconsin

- Over seven years of research and technical experience in the physical sciences, with a primary focus on computational programming, modeling, simulation, and analysis

- Adept in performing data and statistical analysis, demonstrated through a history processing and analyzing large clinical imaging datasets

- Significant experience with signal and image processing, including using Fourier Analysis for image reconstruction and the development of a patented reconstruction technique for MRI datasets

- Advanced user of Python, utilizing tools such as numpy and scipy for data and statistical analysis and matplotlib for data visualization. Additionally experienced in image process and data analysis using Matlab and C/C++

- Effective in technical communication, demonstrated through a history of accepted abstracts, publications, and conference presentations in multiple different fields. A full publication and presentation list can be found in the attached résumé.

- Proven history of independently delivering results while effectively collaborating as a member of a diverse research team

- Multiple years in software development and computational programming experience, devloping skills such as proper software design, unit testing, and version control methods using Mercurial and Git

- Utilized high-performance and distributed computing systems for a variety of modeling, simulation, and image processing methods

With a wide range of experience in data sciences and strong desire to succeed and solve challenging scientific problems, I look forward to a rewarding career of discovery at Descartes Labs. Attached to this application, you will find my résumé for your review. I appreciate your consideration and thank you for your time.

Sincerely,

Casey Anderson, M.Sc.