October 21st, 2014 JOB: Geophysical Operator

Fancy Geoscience Place

123 Sparks Road

Toronto, Ontario

M3H 2K4

Dear: Sir / Madam

It was with great interest that I read your posting regarding the position of Geophysical Operator on the Fancy Geoscience Place website. I am very excited at the prospect of obtaining a job where my skills are not only utilized but continually developed, as I advance in my career. I am confident that my prior experiences at Laurentian University, where my research required intensive data processing algorithms written in Matlab, and I had the opportunity to work with DCIP, magnetic, electromagnetic, and seismic data acquisition systems and their respective processing programs, together with my multiple experiences working in world renown physics laboratories at TRIUMF and Bruker Biospin will allow me to constructively apply my skills towards achieving your goals.

I completed my B.Sc. in Honours Physics at the University of British Columbia in 2011 while working at TRIUMF on the development and construction of particle accelerators among other interesting projects. Throughout all my work experiences, I have been encouraged to work both the hands on, and theoretical aspects of my projects. These opportunities allowed me to develop strong math, physics, programming, research, critical thinking and problem solving skills, in addition to the hands on skills required to develop experiments, including the associated troubleshooting and mechanical skills required for their successful execution. During my time at TRIUMF, health and safety practices where of utmost importance as I trained, supervised, and lead the chemical, HF acid etching, laboratory team. My interest in exploring new ideas is what led to my masters in geophysics under the supervision of Dr. Important Person in 2013. My research at Laurentian consisted of writing algorithms in Matlab to process DCIP, magnetic, and seismic data, collected at the Coleman Mine, to determine if any strain related signals were present. In addition, I collaborated with the Vale Geophysics Research Group and MIRARCO to develop and execute a sensitive experiment using Ant- 5 magnetic antennas to measure the magnetic response of strained rock. As an eager person, always willing to learn, I was able to develop a strong background in geophysics and geology in a short time. Throughout my classroom and field work I established an understanding of the various geophysical methods, and data processing techniques, with a multitude of geophysics programs, on a variety of data types. To remedy one of my perceived weaknesses, I took it upon myself to sit in on multiple geology courses, in addition to my own research and courses to solidify my knowledge. I am always willing to challenge myself to develop my skills, such as volunteering to help any fellow students with field geophysical data collection, appreciating the value of such additional experiences. This, together with my leadership abilities (Current student chapter President, Society for Exploration Geophysics) and ease of working with others will immediately make me an asset to your team. Being a quick and eager learner I am sure I will be able to promptly acquire any other necessary skills.

In addition, I offer excellent communication skills and the proven ability of being a reliable, trustworthy employee going above and beyond what is expected. As a result oriented person I am always eager to learn, willing to follow procedures and excited at the prospect of applying the skills I have obtained through prior experiences.

Thank you for considering my request for employment. I would welcome an interview at your earliest convenience to discuss how I can be an asset to your team, helping to work towards your objectives.

Sincerely,

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