Dear Mr. Important,

I was very interested to hear about your position of geophysicist programmer from Important Person. I am very excited at the prospect of obtaining a job where my skills are not only utilized but continually develop as I continue to progress my career in geophysics.

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 smaller projects. Throughout my previous work experiences, I have always been encouraged to work both the hands on, and theoretical aspects of my projects. This freedom has allowed me to develop strong math, physics, research, and programming skills, in addition to the hands on skills required to developed and carry out experiments.

My interests in exploring and developing ideas are what led to my masters in geophysics under the supervision of 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 an experiment using Ant- 5 magnetic antennas to measure the magnetic response of strained rock in a laboratory (Data analysis completed with algorithms written in Matlab).

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. I completed a course on coding forward and inverse models, and applied these models to real data. Recognizing my weaknesses, I took it upon myself to sit in on multiple geology courses, in addition to my own research and courses to bridge my knowledge. I am always willing to challenge myself to develop my skills. I excitedly volunteer to help any fellow students with data collection, appreciating the value of experiences. During my time at Laurentian I collaborated with geology graduate students to create algorithms producing more accurate and representative laser ablation images, with the final image processing completed in Oasis Montaj. Additionally, I created a program to complete REE analysis for my geology colleagues significantly decreasing their required time investment for analysis. My enthusiasm for knowledge, and ease of working with others, will immediately make me an asset to your team.

Thank you for considering my request for employment. I would welcome a meeting at SEG to discuss how I can be an asset, helping to work towards your objectives.

Sincerely,

The Schaub