David BLACK

github.com/bballdave025 | linkedin.com/in/thedavidwblack | +1 801-376-4520 | thedavidwblack@gmail.com
stackexchange.com/users/8693193 | 75 Peregrine Ln. #8 Bountiful, UT 84010   USA

07 March 2023

Vexcel Imaging
North America Corporate Office
12503 E Euclid Drive Unit 20
Centennial, CO 80111
USA

To Whom It May Concern,

I am interested by the job posting concerning the position of Geospatial Machine Learning Software Developer, which I found via the Vexcel Imaging Careers link on the *Join the team!* section of the company website.

My qualifications match those you are seeking as follows:

Requirement: Fluency in Python
My Qualifications: I taught myself Python in graduate school - about 2012 - where I used it as part of data flow tracking along with particle collision simulation & analysis. I continued to use the language in a 2016-2017 role focused on handwriting recognition. The use I put it to there was to visualize elements & output of the Neural Networks' results on the digitized documents. In my immediately previous place of work, for the last five years, working in Speech Sciences & Machine Learning, Python was the main language I used, with a small but nontrivial margin over bash in Linux®. I worked on varied projects, including the creation of a much-used Python package along with its distribution & maintenance. As I did so, I enjoyed experiencing the performance gains the language made. It now allows me to do scripting that is more portable than bash or Windows batch as well as allowing object-oriented coding like that I had done in Java & C++ for previous research endeavors.

Requirement: Coachable, Collaborative, & Passionate About Learning
My Qualifications: When I think of the kind of environment I want to work in, I remember my favorite coach - one of my high school assistant basketball coaches. I recall him nearly constantly giving me descriptions of what I needed to fix, & I recall it with happiness. I always knew he actually cared about me & my quest to be a better basketball player.
My passion for learning has led to an ongoing personal project. I love understanding the places at which events happened both for family history & history writ large. There is a stream which runs through what was an ancestor's large farm. I have been using surveying techniques to get pictures from the bank of the stream with compass orientation as well as GPS coordinates & elevation. I have now started two GIS courses to show & share what I have found & will be finding.

I believe that my attributes & background make me an exceptional candidate for the aforementioned position. I look forward to a personal interview to discuss the opportunity of working with the exciting Vexcel Data Program to Unleash the Power in Every Pixel.

Cordially,

David Black