David Baladi

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DATA ANALYST PROGRAMMER

✔ OPG Experience   ✔ Software/Hardware Engineering   ✔ Health Science Program

November 4, 2020

Dear Hiring Manager,

My name is David Baladi, and my expertise in hardware and programming make me a strong candidate for this role. I aim to boost project productivity with innovative workflow efficiencies and my software competencies allow me to quickly achieve work proficiency upon entering a new role.

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To expedite workflow at Ontario Power Generation, I automated IT responsibilities with customized Microsoft Excel macros. While product sourcing, I reinvested capacity into scanning product histories for price increases that violated contract agreements. I then independently studied the documentation files for the company catalogues, SAP Ariba and Asset Suite 7, to learn how to manipulate inventory data in Microsoft SQL Server Management Studio (SSMS). Understanding these database architectures enabled me to report noticeable trends for vendor contract considerations, facilitating negotiations for appropriate item pricing and shipment wait-times. I also brought data support value to supply chain operations by increasing the transparency of data through Microsoft Access querying, reporting and dashboard construction.

My ability to solve modern technology challenges was put to test by my final year engineering project, where I had to educate myself in advanced programming concepts in order to successfully develop the artificial intelligence for a home-care robot assistant. Aspects of assisted living were investigated, and extensive research on GitHub and Stack Overflow was required to work around hardware and budget limitations. Implementing state-of-the-art object detection and facial recognition algorithms demanded above economical robot hardware. To solve this issue, I programmed a TCP connection to wirelessly transmit video footage to a laptop for processing. I gained proficiency in Python, C++, terminal and socket-programming in the process.

In addition to graduating from Canada's top neuroscience school, Dalhousie University, I wrote the MCAT and worked on a clinical research team. I was entrusted to administer cognitive test batteries and facilitate fMRI olfaction brain testing on adolescent and geriatric psychosis populations. During this role, I proactively collaborated with various medical professionals and their patient clientele to independently perform the legwork for multiple research studies. This clinical exposure encouraged me to write the MCAT and apply to the 2013 medical school application cycle. Both experiences helped to consolidate my scientific knowledge, an asset integral to the many safety-related responsibilities advertised in this role.

Please review the attached resume for additional details regarding my engineering and science achievements. Thank you for your consideration.

Sincerely,

David Baladi
B.Eng. (EIT), B.Sc.