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Dear Scott Burgess,

The purpose of this letter is to convey my interest in pursuing a Software Development position. My strengths in abstract and analytical problem solving, combined with my high aptitude with computer applications and programming, makes me well suited for the position. My communication skills have been proven effective, both within my current academic department and to the wider academic community. My outgoing personality would be an asset when working in a team, and my ability to work independently is evident in my ongoing research at the University of Western Ontario. As I am near completion of my Master's degree, these qualities make me an outstanding candidate for working at your company.

I am currently completing my Master's in applied mathematics in the area of mathematical biology. Part of my research requires developing simulations to model population dynamics. Becoming familiar with such topics, I have become comfortable employing scientific tools in order to develop quantitative solutions. I have programmed Monte Carlo simulations in C, C++ and Perl languages, and I have used scientific software such as Matlab. In addition, I also have extensive experience in mathematical modeling, developing analytical models of population dynamics as well as financial models of options and portfolio pricing. These required strengths in mathematical aptitude, and a solid understanding of analytical and computational tools such as linear algebra and numerical methods. I have also presented my research results on a number of occasions, including at a major international scientific conference.

I am a self-starter who can take initiative as well as follow the leadership of others. My research as a Master's student has established my ability to work independently. I also have a strong sense of responsibility and dedication to my work. These characteristics, along with my research background and technical knowledge, make me a prime candidate for this position.

I am confident in my scientific and technical communication abilities, and I would thrive in a position where I have the opportunity to apply my skills and knowledge to software development in a business and R&D setting. I have attached my resume for your perusal, and I look forward to speaking with you to discuss this position further.

Thank you for your consideration.

Sincerely,

Joshua Grant