May 17, 2011

Halliburton

3000 N. Sam Houston Pkwy E.

Houston, TX 77032 USA

Please accept the enclosed résumé as application for a position in software development or computational research at Halliburton. As my résumé outlines, I would bring a good balance of academic and work experience to your company.

Over the last year and a half, I have been a Master of Computer Science (MCS) student with emphasis in Databases at the University of New Brunswick (UNB) in Saint John, Canada. This academic experience has refined my skills for a career in software development or computational research.

My research interests include various methods for indexing large data warehouses. Since I was an undergraduate student, I have seengreat potential in how machines can aid research and analysis in various fields through Online Analytical Processing (OLAP). As the amount of information grows, better ways to analyze and access it become necessary. Scientists often need to analyze information gathered from different data sources, and when the amount of information is too vast, the information gathering process becomes slow. Often, the process is so slow that applications for data visualization take too long to support effective analysis. It is one of my career interests to address this problem through data warehouse techniques, such as indexing and view materialization. I am also interested in software engineering, especially in design aspects that allow building high performance software that is reusable and maintainable. From previous work during my undergraduate project, I also have an interest in wave propagation phenomena and their applications.

I am confident in my ability to make a strong contribution to the mission and goals of Halliburton, and I would love the opportunity to discuss my abilities and experiences in more detail. Please contact me at 281-398-9692 or email me at [edvelez.g@gmail.com](mailto:edvelez.g@gmail.com) to arrange an interview. Thank you in advance for your consideration.

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Sincerely,

Eduardo Gutarra Velez

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