Dear Mike,

Please accept the enclosed résumé as application for a position in the Research and Development department at ION. As my résumé outlines, I have a good balance of academic and work experience to perform in your company.

Over the last year and a half, I have been a 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 of various fields through Online Analytical Processing (OLAP). As the amount of information grows, better ways to analyze it and ways to 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 process becomes slow. Often, the process is so slow that applications for data visualization take too long to perform any 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 software of high performance that is reusable and maintainable. From previous work during my undergraduate project, I also have an interest in wave propagation phenomena and its applications.

I am confident in my ability to make a strong contribution to the mission and goals of ION and I would love the opportunity to discuss my abilities and experiences in more detail. Please contact me at 281-398-9692 to arrange an interview. Thank you in advance for your consideration.

Sincerely,

Eduardo Gutarra Velez