Eduardo Gutarra

PRESENT ADDRESS
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JOB OBJECTIVE

Obtain a software engineering or computational research position in a geophysical processing company.

EDUCATION

University of New Brunswick at Saint John (UNBSJ)	Oct 2011
Saint John, New Brunswick, Canada	
Research-based Master of Computer Science (MCS)	
Thesis Title: Multi-column bitmap indexing	

INFOSYS Certification on Training Program	Aug–Oct 2009
Mysore, Karnataka, India	
Foundational Computer Science Courses–Industry Perspective	

EAFIT University	Aug–Oct 2009
Medellín, Antioquia, Colombia	
Bachelor of Computer Science	
G.P.A. 4.3/5.0	

EXPERIENCE

Teaching Assistant	UNBSJ	2008-2009
	Saint John, NB, Canada	

Assisted with instructional responsibilities for the following courses:
- Introduction to Computer Programming in Matlab

- Introduction to Data Structures and Algorithms (C)

- Introduction to Computer Programming in Java

- Computer Science Concepts (Java)

Software Engineer Intern	University of New Brunswick (UNBSJ)	2008-2009
	Saint John, New Brunswick, Canada	

- Developed in C++ a command line utility for indexing trace header information.

- Performed research on MySQL storage engines.

- Deployed google-breakpad, a multi-platform crash reporting system.

Programmer/Analyst	Biomecanica LTDA	2007-2008
	Medellín, Colombia	

- Designed and developed a clinical history report system for Biomecanica, using PHP and MySQL.

- Developed and tested back-up software using PHP and MySQL.

| **Teaching Assistant** | EAFIT University | 2007 |
| | Medellín, Colombia | |

Assisted with instructional responsibilities for Compilers and Programming Fundamentals courses.

| **Software Engineer** | Panagro S.A. | Summers 2004-2010 |
| | Medellín, Colombia | |

- Designed and developed various web applications and web pages.
- Programmed macros in Visual .NET for Excel worksheets.

COMPUTER SKILLS

Languages

- Proficient in: C/C++, Java, C#, Bash, Ruby
- Familiar with: Matlab, PHP

Software

- Database: MySQL, SQL Server
- Platforms: Microsoft Windows, Linux, OSX
- Design: Illustrator, Flash

ASSOCIATIONS

| Society of Exploration Geophysicists (SEG) | 2008–Present |
| Semillero de Investigación de Recuperación de Información (SIRI) | 2007 |

HONORS AND AWARDS

- Top Performer of INFOSYS Training Program
- GEMIS Award for Undergraduate Project on Viper-SUGUI