

Eduardo Gutarra

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OBJECTIVE Obtain a software engineering or computational research position.

EDUCATION Research-based *Master of Computer Science (MCS)*
University of New Brunswick, Saint John, NB, Canada
Thesis Title: Multi-column bitmap indexing
Emphasis: Databases
expected October 2011

Certification on Foundational CS Courses–Industrial perspective Aug–Oct 2009
Emphasis: .NET framework using C#
INFOSYS, Mysore, Karnataka, India

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

EXPERIENCE *Teaching Assistant* 2010–2011

Computer Science and Applied Statistics Department
University of New Brunswick, 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 Jun 2008–Jan 2009
ION Geophysical, Houston, TX 77449

- 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 2007–2008
Biomecanica LTD, 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 2007–May 2008
EAFIT University, Medellín, Colombia

- Assisted with instructional responsibilities for Compilers and Programming Fundamentals courses.

Web Developer Summers 2004–2010
Panagro S.A., Medellín, Colombia

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

**COMPUTER
SKILLS***Languages:*

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

Software:

- Database: MySQL, SQL Server 2008
- Operating Systems: MS Windows, Unix, OSX
- Design: Illustrator, Flash

ASSOCIATIONS

Society of Exploration Geophysicists (SEG)
Semillero de Investigación de Recuperación de Información (SIRI)

2008–Present
2007

**HONORS AND
AWARDS**

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

Oct 2009
May 2009

LANGUAGES

Fluent in Spanish (Read, Write, Speak)