I’m Eduardo Gutarra Velez, a student at UNB in Saint John, Canada where I’m doing my master’s in Computer Science with an emphasis in Databases. I’m currently on my second year (two years in total). As of now, I’m seeking employment for my 10th semester.

As far as experience I’ve had, I’ve developed an application in PHP and MySQL for a company named Biomecanica here in Colombia, but through the university. The application is a clinical histories reporting system, that also stores podograms. I’ve also done some teaching, basically, as a teacher assistant in the subjects compilers and Fundamentals of programming both in the computer language Java.

Of the most relevant subjects I’ve taken at the university. I point out Databases, Operating Systems, Computer Networking, Compilers, Computer Architecture, Numerical Analysis, and Structures and Algorithms.

For Operating Systems I’ve worked with problems with the premise of concurrent processing using semaphores, monitors and other types. Most programming I’ve done in this subject has been in C and C++.

For Numerical Analysis I’ve had to program the methods for C++ in native C++, and using Qt as a library for building a nice interface for the numerical programs application.

In Databases, I’ve worked with MS SQL Server 2000, building a small database prototype for a company. And with my job for “Biomecanica” I’ve reinforced that knowledge building a MySQL database that is accessed with PHP.

For Computer Architecture we worked some examples on assembly language and also build a simulation of a computer using simulation software.

In Compilers we worked with Sablecc which was a framework for building compilers and interpreters. We built a simple compiler with this tool.

For Computer Networking we’ve built a simple distributed tic tac toe game to allow multiple players, a server and used Packet Tracer for simulating the configuration of a network of switches and hubs.

Eduardo Gutarra Velez