Camilo Bernal Galindo

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EDUCATION

9/2009 – 11/2014	**Honours Bachelor of Science + PEY** in **Computer Science**, *University of Toronto* • **Course Highlights**: Software Engineering, Systems Programming, Data Structures and Algorithms Analysis, Advanced Operating Systems, Compilers and Interpreters, Database System Technology.

SKILLS

Programming	Java, C, C++, Python, Bash, SQL, Javascript, Clojure, Racket
Tools	Git, Subversion, Eclipse, Visual Studio, Make, Ant, Maven
Markup	LaTeX, HTML, XML, CSS
Operating Systems	Linux(Fedora, RHEL, Ubuntu, Debian), Windows(2000/XP/Vista/7/8), OSX(10.8 - 10.10)

POSITIONS

5/2012 – 8/2013	**Software Engineer Intern (PEY)** at **Red Hat Canada Ltd.**, *Toronto, ON* • Committer in the Eclipse Linux Tools project, which aims to bring a full-featured C/C++ IDE to Linux • Extended the Linux Tools plug-in framework to improve accessibility of the existing user interface • Simplified developer efforts to contribute and maintain new profiling tools to Eclipse • Improved and extended integration of existing plug-ins with underlying profiling tools • Created and enhanced test suites for plug-in functionality using JUnit and SWTBot • Helped maintain and improve Linux Tools API • All development plug-in development was done in Java using the Eclipse Platform

PROJECTS

1/2014 – current	**Canverse**, Capstone Project • Created a music creation application for a Capstone Project at the University of Toronto, developed using the Overtone and Quil multimedia libraries for Clojure in order to provide a live music creation environment with a user friendly and minimalist interface.
1/2014 – 4/2014	**Fuzzy Text Search tool**, Database System Technology • Implemented a tool to perform fuzzy string matching over a large text data set, which included implementing and integrating multiple string similarity algorithms. It was developed in C++ using the Xapian search engine library.
1/2014 – 4/2014	**Student Compiler**, Compilers and Interpreters • Implemented a student compiler for the Compilers and Interpreters course using Java, JFlex and CUP. This included contributions to the grammar, expression semantics, code generation, testing and documentation.
1/2013 – current	**Freeseer**, Undergraduate Capstone Open Source Projects • Contributed to Freeseer, an open source screen-casting tool for recording and streaming presentations leveraging PyQt and GStreamer. Implemented various bug-fixing and feature patches, as well as provided feedback and testing in various pull requests.
10/2012 – 12/2012	**Airline Reservation System**, Programming on the Web • Implemented web application to simulate a plane reservation system. This included interface for flight and seat picking, mock payment system, and a flight status page. Implemented using the Struts 2 web framework, and a PostgreSQL database to store flight information, seating plans and user credentials.