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, Android Development (currently enrolled).

SKILLS

Programming	Java, C, C++, Python, Bash, SQL, Javascript/JQuery, 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

PROJECTS

1/2014 – current **Canverse**, Capstone Project / canverse.net
- 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.

9/2013 – 10/2013 **Parallel Memory Allocator**, Advanced Operating Systems
- Implemented a parallel memory allocator for multi-threaded applications in C. The main focus was on speed, scalabilty over number of processors, false sharing avoidance of cache lines and low fragmentation over the maximum amount of memory allotted for allocation.

1/2013 – current **Freeseer**, Undergraduate Capstone Open Source Projects / Facebook Open Source Hackathon
- Contributed to Freeseer, an open source screencasting tool for recording and streaming presentations leveraging the PyQt and GStreamer libraries. Implemented various bug-fixing and feature patches, as well as provided feedback and testing in various pull requests.