Camilo Bernal Galindo

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 cabernal

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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

Libraries	Spring, Hibernate, JQuery/AngularJS (1.x), Protractor/Selenium, Laravel
Programming	Java, C, Python, Bash, SQL, Javascript, Clojure, Racket, PHP
Tools	Git, Subversion, Maven, Bower, Gulp, NPM, IntelliJ, Atom, Vim
Markup	LaTeX, HTML, XML, CSS

POSITIONS

10/2015 – current

Software Developer at **Intelliware Development Inc.**, *Toronto, ON*
- Developer in major legacy application migration project for *Ontario Teachers' Pension Plan (OTPP)* at Intelliware
- Migrating legacy pension management/projection applications to modern web apps and micro-services
- Implemented REST APIs for accessing and operating pension-related financial data and services using Spring
- Created rich UI components in AngularJS to display and interact with pension-related data
- Enabled server-side caching layer by integrating with Redis and the Spring-Data framework
- Enhanced and lead efforts of a test documentation generation tool for Java and JavaScript based projects

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++ Eclipse 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

PROJECTS

1/2014 – 7/2015

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 Systems 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.

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.