

## Work Experience

- **IBM Canada, Inc.**

*Software Developer @ DB2 Database Quality Analyst*

**Markham, ON**

*May 2014 – Aug 2015*

- Executing complex test scenarios on various Linux, AIX, HP-UX, Solaris and Windows platforms in various distributed, multi-partition configurations to ensure the overall system delivers the breadth of functionality with the ease of use customers expect
  1. Write and update PERL & SQL scripts for automation of testing and to coordinate with design specification
  2. Investigate on failures within bucket of test-case, determine the type of defects through the call stack and dumped log files.
- Cooperate with other software developers to achieve highest quality of software solutions and consolidates the knowledge of relational database
  1. Working closely with both the test and development global teams (include China, USA, India, Ireland) in problem (defect) resolution.
  2. Acquiring the “IBM DB2 Database and Application Fundamentals Academic Certifications” during the internship

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## Engineering Related Project

- **Concurrent key-value storage database**

- Designing and implementing a client side API and user interface to communicate through socket with concurrent database server
- Recording each stage of development progress and adopting the agile methodology
- Presenting software to both technical and public audience

- **FPGA Keyboard-Typing Game**

- Building Typing Trainer displayed with DE2 FPGA board using Verilog & assemble language
- Utilizing Finite State Machines to control the different sets of hardware and properly communicate with each other
- Documenting project follow by the academic standards in 10 pages, topics: high level architecture, hardware I/O, detailed analysis of functional modules and possible future improvements, can be found [HERE](#)

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## Education

- **University of Toronto, St. George Campus**

*The Edward S. Rogers Sr. Department of Electrical & Computer Engineering, BAsC*

**Toronto, ON**

*2012 – 2016*

- Dean’s Honuor List
- Ranked top 25%

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## Core Technical Skills

<b>Coding:</b>	C, C++, Java, L <sup>A</sup> T <sub>E</sub> X, Perl, Python, shell script, SQL, Verilog, Assembly
<b>Web Front-end:</b>	HTML5, CSS, Javascript, Bootstrap, JQuery
<b>Platform:</b>	Linux(Redhat,SUSE,Ubutu) , Unix, Mac OS, Windows
<b>CAD &amp; Simulation:</b>	Matlab, Multisim
<b>Text Editor:</b>	Vim, Emac, Notepad++, Sublime, Brackets
<b>Version Control &amp; IDE:</b>	Svn, Git, Eclipse, Netbeans

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