

# Kanwar Gill

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3 Mirrow Court, Toronto, ON, M1C 4Y7

## Skills Profile

### Technical Skills

- Experienced with the following languages/technologies:
  - Object-oriented and Database: Java, Python, C, SQL, Assembly (MIPS32)
  - Scripting languages: Bash, Perl, JavaScript, PHP, JSON, jQuery, jQuery Mobile
  - Internet and markup languages: XML/XSL, DTD, HTML5, CSS3.
  - Functional and Logic: Scheme, Haskell, F#, Prolog
- Experience with many development tools, libraries, and frameworks such as Eclipse, NetBeans, Bootstrap, SVN, Git, Selenium, Firebug, IBM Data Studio, Oracle SQL Developer, Flask, cakePHP, and HP Fortify
- Testing Frameworks: unittest, JUnit, PyUnit
- Operating Systems: Microsoft Windows (XP, 7, 8), Linux, Unix, Max OSX
- Strong ability to learn new programming languages, concepts, and applications quickly, and use them with a high-degree of precision and effectiveness
- Able to perform effective object oriented analyses, engage in agile and test driven development, and implement ideas and algorithms with high levels of efficiency

### Interpersonal Skills

- Heightened verbal and written communication skills, developed by delivering speeches to an audience of more than 70 students as a Toastmaster, and giving presentations at work
- Display initiative with a strong ability to work independently and in a team, developed through experience with independent projects and team-based environments
- Well-disciplined and efficient worker with a strong ability to perform under pressure and deliver, completing tasks and assignments well before deadlines in past work experiences
- Exhibit excellent leadership skills, developed by organizing student club related events, and as a Teaching Assistant at the University of Toronto
- Excellent quantitative reasoning and problem solving skills as demonstrated through various awards, great grades in computer science and math courses
- Competitive, hard-worker, and productive – setting high emphasis on quality work

## Work Experience

### University of Toronto

#### Teaching Assistant

May 2015 – Present

- Sharpened problem-solving abilities by teaching tutorial sections for many courses including operating systems, numerical analysis, and programming courses
- Time management skills were strengthened by planning a schedule to grade assignments and tests, preparing for tutorials, and responding to e-mails
- Developed excellent communication skills by lecturing groups of 35 students weekly and maintaining contact with the professor of the course via phone and e-mail

### IBM Canada Ltd.

May 2013 – April 2015

#### Software Developer

- Provided support to the DB2 Information Development Infrastructure team through coordination with the testers in Translation Service Centers (TSC) from around the world
- Acknowledged for outstanding organizational and time-management skills by monitoring questions related to the different releases of DB2 during the DVT (Document Verification Testing) round including timely creation and uploading of the test cases to the staging server
- Developed a new functionality facilitating getting a file's history for the source files located in the corporate repository to be used by infrastructure team's content management system
- Demonstrated quick learning skills pertaining to technologies like PHP, Perl and applied them to fix any problem reports or requirements opened by the ID department
- Data mining skills strengthened through creation of reports in Cognos Report Studio reflecting the percent complete for each of the different releases and deliverable types

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## Canadian Imperial Bank of Commerce Technical Analyst

September – December 2012

- Provided support to the Information Security team through research, investigation, and analysis of industry cyber threats
- Commended for providing a realistic feedback to the SIEM correlation framework for the Malware project resulting in a completely new framework
- Recognized for outstanding analytical and problem solving skills shown by developing a fully tested and automated security model to help categorize data breach events
- Self-learned technologies like JavaScript, JSON, AJAX, J2EE, JSP, and JavaBeans and successfully applied them in the vulnerability results analysis from the automated code scanning tool HP Fortify
- Research skills enhanced by writing a paper on password strength and pass phrases highlighting the industry trends around the two, and their applicability within the password policy

## Environment Canada Archives Operation Database Support

January – April 2012

- Noted for excellent time-management, communication, and teamwork skills
- Provided support regarding database and application issues through implementation of JavaScript code addressing bulk upload of scanned images to the National Climate Database
- Demonstrated excellent writing skills by developing working technical documentation for NAS, Image, and CHAD databases
- Problem solving skills strengthened by developing numerous SQL queries effectively addressing client requirements

## Education

University of Toronto Scarborough

2010 – Present

Candidate, Honours Bachelor of Science

- Computer Science Specialist Co-op Program, Final year
- Cumulative GPA of 3.54 out of 4.00
- Expected to graduate in April of 2016

## Awards

- University of Toronto Scholar, \$5000
- University of Toronto Scarborough Entrance Award, \$3000
- University of Toronto Scarborough Second Year Honours List, \$200
- NSERC Undergraduate Summer Research Award, \$4500

## Interests and Activities

- NSERC USRA researcher in the Systems and Networks group at the University of Toronto (2015)
- President of Co-op Students' Association (CSA) and VP Membership of Scarborough Toastmasters for 2014-15; current Executive Advisor for CSA for 2015-16
- Member of Toastmasters International organization since 2013; love public speaking
- Love learning about new technologies/trends and their impact on the current society
- Enjoy playing Soccer, Squash, Pool/Billiards, Table Tennis, and Cricket
- Enjoy composing poems about real-life events whenever time permits, listening to hip-hop, rap, reading books on personality development, and cooking