

# Kanwar Gill

<http://kanwargill.ca>  
[contact@kanwargill.ca](mailto:contact@kanwargill.ca)

## EDUCATION

**UNIVERSITY OF TORONTO**  
**HBSC IN COMPUTER SCIENCE**  
**Co-OP PROGRAM | 2010 - 2016**  
 Graduated with High Distinction  
 Cum. GPA: **3.54/4.0**  
**Dean's List** (2nd, 3rd, & 4th Year)

## LINKS

Github:// [KanwarGill](#)  
 LinkedIn:// [gillkanwar](#)

## COURSEWORK

- Engineering Large Software Systems
- Operating Systems (Teaching Asst 2x)
- Databases (Teaching Asst 1x)
- Programming Languages (Teaching Asst 1x)
- Numerical Analysis (Teaching Asst 1x)
- Web Programming
- Algorithm Design & Analysis
- Design & Analysis of Data Structures

## SKILLS

### PROGRAMMING

**Proficient:**

Python • Java • Bash

**Intermediate:**

C • Perl • JavaScript • HTML5

Scheme • Haskell • jQuery • SQL

**Familiar:**

Prolog • couchDB • CSS3 • node.js

PHP • SAS

### TOOLS

Shell • Eclipse/NetBeans • Git  
 Selenium • Firebug • IBM Data Studio  
 HP Fortify • Sublime Text • Microsoft Office

### OPERATING SYSTEMS

• OS X • Linux/Unix • Windows

## HONORS & AWARDS

- Computer Science Speaker, March Applicant Showcase, March 2016
- Fall Campus Day, Nov 2015
- CMS Work Term Panelist, NWOW Conference, Oct 2015
- Undergraduate Summer Research Award, NSERC, May 2015
- University of Toronto Scholar, Sept 2010
- Admission Award, Sept 2010

## EXPERIENCE

### TD | IT SOLUTIONS DEVELOPER

July 2016 – Present | Toronto, ON

- Part of the Enterprise Enabling Technology Solutions (EETS) Anti-Money Laundering (AML) team.
- Provided technical/analytical leadership of components being developed for various projects within the AML portfolio.
- Assisted in developing high quality solutions for projects consistent with project objectives and client requirements following technology standards.
- Performed analysis to support business strategies and initiatives.
- Defined, documented and translated high level business requirements into system requirements specifications.
- Created and reviewed project documentation as required.
- Developed effective solutions by researching/analyzing issues.

### UNIVERSITY OF TORONTO | TEACHING ASSISTANT

May 2015 – April 2016 | Toronto, ON

- Graded assignments and tests, prepared for tutorials, and responded to e-mails in a timely manner.

### IBM | SOFTWARE DEVELOPER INTERN

May 2013 – Aug 2015 | Markham, ON

- Part of the DB2 Information Development Infrastructure team.
- Worked closely with the information developers to troubleshoot defects and provided/supported the tools that they used to write documentations.
- Developed, tested, and pushed to production a new functionality for the corporate content management system.

### CIBC | TECHNICAL ANALYST

Sept – Dec 2012 | Toronto, ON

- Provided support to the Information Security team through research, investigation, and analysis of industry cyber threats.
- Performed vulnerability analysis of enterprise code using HP Fortify.
- Wrote a research paper on passwords vs. passphrases strength highlighting the industry trends around the two.

## SCHOOL PROJECTS

**MATPLOTLIB** | Jan – April 2016 | Github:// [matplotlib](#)

- Worked in a team of 5 to add new features and perform bug fixes for the open-source Python 2D plotting library. Pull requests can be found [here](#) and [here](#).

**News Investigator** | Sept – Dec 2014 | Github:// [newsinvestigator](#)

- Used Flask, couchDB, and Bootstrap to scrape useful information from certain news sources for monitoring of correlations.

**Twitter RESTful API** | Sept – Dec 2013 | Github:// [restfulapi](#)

- Followed RESTful design to parse information from JSON file using node.js and bootstrap.

## INTERESTS/ACTIVITIES

- Involved with the Junior Achievement Company Program (JACP) as an advisor for 2016-17.
- Involved in the following technology associate committees at TD: Social, Charity, Journal, and Health & Wellness.