Kanwar Gill

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EDUCATION

UNIVERSITY OF TORONTO
HBSc in Computer Science
Expected April 2016 | Toronto, ON
Cum. GPA: **3.51** /4.0
Dean's List (2nd & 3rd 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 • PHP • JavaScript
HTML5 • Scheme • Haskell
jQuery/jQuery Mobile • SQL
Familiar:
Prolog • couchDB • CSS3

TOOLS
Shell • Eclipse/NetBeans
SVN/Git • Selenium
Firebug • IBM Data Studio
HP Fortify

OPERATING SYSTEMS
- OS X • Linux/Unix • Windows

HONORS & AWARDS

- Computer Science Speaker, Fall Campus Day, Nov 2015
- CMS Work Term Panelist, NWOW Conference, Oct 2015
- Dean's List (3rd Year), Oct 2015
- Undergraduate Summer Research Award, NSERC, May 2015
- Dean's List (2nd Year), Oct 2013
- University of Toronto Scholar, Sept 2010
- Admission Award, Sept 2010

EXPERIENCE

UNIVERSITY OF TORONTO | Teaching Assistant
May 2015 – PRESENT | 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 2014 | Markham, ON
- Part of the DB2 Information Development Infrastructure team.
- Used Perl, PHP, Java to automate various processes as well as to develop programs as per the requirements.
- 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.
- Assisted in developing business logic related to security monitoring use cases.
- 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.

ENVIRONMENT CANADA | Database Support
Jan – Apr 2012 | Toronto, ON
- Provided support regarding database/application issues using JavaScript.
- Developed technical documentations fpr NAS, CHAD, and Image databases.
- Noted for excellent time-management, communication, and teamwork skills.

SCHOOL PROJECTS

MATPLOTLIB | Jan 2016 – PRESENT | Github:// matplotlib
- Working in a team of 5 to add new features and perform bug fixes for the open-source Python 2D plotting library.

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.

Search Engine | Jan – April 2013 | Github:// simplesearchengine
- Wrote a basic version of a parallel search engine using C.

Buxfer Application | Jan – April 2013 | Github:// simplebuxfer
- Mimicked a lighter version of the online money management software using pure C.

INTERESTS & ACTIVITIES

- President of Co-op Students' Association (CSA) from 2014-15.
- Co-Founder and VPM for UTSC Toastmasters (UTSC TM) from 2014-15.
- Love learning about new technologies and their impact on the society.