Ayush Kaushik

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TECHNICAL SKILLS

Programming Languages:
- Most experience in **C** through Software development and Integration course 2750
- Most experience in **Javascript, jQuery, HTML** and **CSS** through Co-op term at **Inbox Marketer**
- Intermediate experience in **Java** through learning in Object Oriented Programming course
- Minor experience in **Perl** and **Python** by learning and creating programs in Software Design I and II

Operating System:
- Able to navigate and execute command line terminal in Unix and Linux based systems
- Used Windows XP/Vista/7/8/10 for batch scripting and editor tools such as Microsoft office

Team Development and Testing Methodologies:
- Learned **Waterfall**, **Spiral** and **Agile** methodologies in detail in Software Design I and II
- Participated in **daily standup meetings** during Co-op term at Inbox Marketer Corporation
- Adopted **Test-driven** development, **Black** and **White box** testing to ensure error free results

Development tools:
- Text editors - Sublime Text, Vim, Nano, Xcode, Microsoft Visual Studio 2017
- IDE - Netbeans, PHPStorm and WebStorm, API Development environment - Postman
- Debuggers - GNU Debugger and Valgrind, Version Control System - Git and Bitbucket
- Communication Tools - Google Documents, Sales Force, Slack and Trello
- Framework - Symfony, ReactJs, Project Tracking software - Jira
- Runtime environment - Node.js, Automation tools - Jenkins, Shell and Batch scripting

EDUCATION

Bachelor of Computing, Honours, Co-op   September 2015 - Present
University of Guelph, Guelph, ON
- Placed in Dean's Honour List (Fall Semester 2015, Winter Semester 2016, 2017 and 2018)
- Acquired 96% grade in Software development and Integration course 2750

ACADEMIC HIGHLIGHTS

Query Based System   April 2016
Software Design II
- Extracted and analyzed the birth and death data from Official American database
- Programmed the system in Perl that evaluates the data to produce graphs using R library
- Designed a text based interface and developed test cases using White box technique for debugging

Inventory Based System   November 2016
Object Oriented Programming 2430
- Created an inventory system using Java that uses hash maps to store item specifications
- The search feature filters the results according to user specified information
- Designed and developed a text based input and user interface using Swing and AWT library

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ACADEMIC HIGHLIGHTS CONTINUED

Weekly Subscription Table Email System   August 2017
Development and Support Co-op at Inbox Marketer Corporation
- Created a command-line based emailing system using Symfony framework to email data weekly
- Implemented one-to-many association mapping to store and retrieve information between two tables
- Analyzed retrieved data and rendered the results using Twig to an email body
- Created a CRUD based user interface using Twig template engine for easier entry of subscribers

GEDCOM Parser and Web Application   April 2018
Software development and Integration 2750
- Developed a command line based parser in C that extracts, stores and simplifies data for representation
- Designed the user interface for a Node.js application that connects the C program
- Organized and connected a back-end MySQL database to store the extracted data

LoudMouth User Portal   August 2018
Development and Support Co-op at Inbox Marketer Corporation
- Created a web based self serve application for LoudMouth Service
- Learned and Implemented Reactjs framework for user interface of the single page application
- Added login based entry to protect user data and bulk-edit to edit multiple entries at once

Medicine Delivery Tracker   September 2018
Personal Project
- Developed a web based application to track medicine delivery and calculate next delivery date
- Utilized Node.js for front-end, custom API and connected to a back-end MariaDB database
- Adopted **Docker** containerization technology for rapid development and testing

VOLUNTEER EXPERIENCE

Youth Mentor
Newcomer Youth Leadership Development Program, **YMCA**   2013 - 2015
Brampton, ON
- Human Rights Workshop
  - Promoted the importance of human rights by interacting with fellow NYLD group members
  - Created an interactive powerpoint presentation to enforce the values of workshop
  - Received appreciation from Advisor for a well structured and informative workshop

- Saint Mary Church, Brampton
  - Collaborated with church staff to run the annual "Feed the Homeless" drive
  - Organized and monitored the inventory to keep the staff updated about amount of ration left
  - Successfully fed around 100 individuals and received a note of appreciation from church staff

- Annual YMCA NYLD Sports Day
  - Demonstrated organizational skills by maintaining a detailed list of people who attended the event
  - Reviewed the list of around 150 individuals with oncoming of more members
  - This led to easier transition in dividing individuals into groups for activities

- Promoted from Member to Mentor position within 3 months of joining NYLD group
  - Awarded by group advisor for an exceptional demonstration of NYLD's five core values - caring, hygiene, honesty, inclusiveness, respect and responsibility