

# Jayesh Khullar

## Software Developer

Second year Machine Learning and Data Mining student at the University of Toronto Scarborough actively searching for a co-op position. I am thrilled to apply my passion and programming experience to analyze, design, and develop the most advanced software. My greatest strength is software design, this enables me to efficiently develop and test my programs.

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## EDUCATION

### Hons. B.Sc Machine Learning & Data Mining

University of Toronto Scarborough

09/2017 – Present

Scarborough, Ontario

#### Courses

- Introduction to Computer Science I
- Introduction to Computer Science II

## PERSONAL PROJECTS

### Hola Speak (05/2017 – Present)

- Currently in the process of developing a SaaS for speech-impaired individuals which uses various implementations of buttons and voice inputs to enhance UX
- Designed registration and login module using HTML5, CSS5, and JS for users to get easy access and updates on the application

### Array Manipulation (09/2018 – 09/2018)

- Designed methods with an approach to Object Oriented Programming using Java that took in an array of integers, and sorted them from negative to positive using an algorithm in  $O(n)$  time
- Demonstrated knowledge in SVN version control to update and edit files using SVN on a remote PC

### Phonebook (05/2018 – 06/2018)

- Designed a Phonebook application with the Single Linked List data structure using Python which can store, retrieve and remove contacts
- Implemented with single linked nodes to ensure data is correctly stored in alphabetical order with the use of while and for loops to insert the contacts

### GPA Calculator (07/2018 – 07/2018)

- Designed a GPA calculator using Python which can calculate: "What average do I need on my Final?", and "What is my average now?" using a specific algorithm
- Extensively tested using "Unit test" to ensure accurate results

### Database Management (02/2017 – 06/2017)

- Managed user login and personal data using MySQL, and analyzed the access and usage of webpages by the target demographic to further enhance webpages
- Created new databases for storing updated login information for current users which eased the load and time taken to retrieve user information from the database

### Projectile Motion Calculator (01/2017 – 02/2017)

- Constructed a Projectile motion calculator with C++ which solved specific dynamics problems
- Integrated C++ as a basis to build the program with pointers by properly allocating memory to increase program efficiency
- Tested with numerous dynamics problems to ensure complete solutions to problems when deployed to users

## SUMMARY OF SKILLS

Python Java C++ HTML5 CSS3 SQL

Microsoft Office Android Mobile Development

Web Development Photoshop Illustrator

GitHub SVN UML CRC Cards Windows

Linux Eclipse Unit-Testing Interpersonal

## CLUBS

### AMACSS (06/2017 – Present)

Club Member

### DECA (06/2016 – 05/2017)

Team Leader

### VEX Robotix (06/2015 – 05/2016)

Team Member

### Royal Canadian Air Cadets (09/2013 – 03/2016)

Saxophonist for the Black Forest Brass & Reed Band

## INTERESTS

Web Development Adobe Photoshop Music

Adobe Illustrator Technological Articles Soccer