

## Skills and Summary

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### About me

Recent graduate with CS and Math Major. I have strong knowledge of software fundamentals such as data structures, algorithm design, design patterns in object-oriented programming, functional programming, and operating systems ---- I am doing the LeetCode competitions biweekly to have my skill constantly tested. I have many experiences in agile development projects in academic settings. I demonstrated that I can lead/manage scrums under Agile methodologies.

Recently I became interested in web development after my friend introduced me to React.js in Dec. 2020. Now I am self-learning about web development and testing my skills through hackathon events.

### Software Dev

JavaScript  
HTML/CSS  
Java  
React.js  
SQL/MySQL  
C/Shell  
Git/ Github  
Python  
Andriod  
Studio  
Terminal  
SSH

### Others

Word  
PowerPoint  
Excel  
LaTeX  
Kanban/Trello  
Slack  
Discord Bot

## Relevant Experience

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**Participated in the course project contest with a group of five; Using an agile development cycle, we developed an application for statistics students and instructors to manage their work. (Oct 2017 - Dec 2017)**

- Made up user stories and tasks based on the client's needs
- Used spreadsheets to manage tasks weekly
- Developed the front end of the app using Java's Jswing library
- Linked the MySQL database APIs to the front end

**Learned and Recreated the mechanics of operating systems on Linux (Apr 2018 - Aug 2018)**

- Reproduced concepts of operating systems such as synchronization, memory management, process management, file system, pipe, etc. using C.
- Learned to use SSH
- Used visual sandbox to run the reproduced code

**Led a group of four to design a new interface for Toad for Oracle, including an interactive prototype and software tutorial. (April 2018 - Aug 2018)**

- Interviewed two Database Management software users for our data gathering
- Rolled out details for our GUI's requirements
- Gathered Data (with interviews and artifacts) from potential clients
- Created GUI prototype and tutorials using interactive elements of PowerPoint
- Evaluated our interface prototype based on the traversing times and user feedbacks

**Participated in group projects simulating an open-source contribution process for the popular python library matplotlib (Jan 2019 - Mar 2019):**

- Took on the position of scrum master for two working weeks
- Followed agile development process and meeting minutes
- Wrote reports on the object-oriented design patterns and open-source contribution processes of matplotlib
- Provided detailed reports, manual, and convincing acceptance/ unit tests for the issues we have chosen to contribute.

## Education

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University of Toronto Scarborough Campus (UTSC)

September 2014 - November 2019

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Graduate - Honours Bachelor of Science (BS)

Major in Computer Science and Major in Mathematics