

# Syed Raza Abbas

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## EDUCATION

University of Toronto — *Honours Bachelor of Science*

September 2017 - 2022

- Honours Bachelor of Science (HBS) in Mathematics and Computer Science.
- CGPA of 3.26 out 4.0

## Personal Projects

BookCase [MongoDB, Express.js, React, Node.js, Git]

- A full stack web application which allows users to add in books that they own, books in their wishlist, and displays a recommendation list to the user based on their preferred genres.
- [Code Repository], [Live Application]

NewScript [HTML5, CSS3 (CSS FlexBox), JavaScript, Git]

- Ported a text based Python program into a one page Web program which uses OpenWeatherMap API and the News API to display the weather of the city of the users choosing, and news headlines from one of 4 categories.

## School Projects

Paint Program [Java, Git, SCRUM]

- Implemented new features to existing code base, such as the ability to draw a new PolyLine object, to save objects drawn on canvas, and to load save files and display the objects saved.
- Implemented features following design patterns such as the Factory, and Visitor design patterns.

Othello Game [Java (JavaFX), Git, SCRUM]

- Implemented an interactive Othello game with 3 other students written in Java using the JavaFX Library for creating GUIs.
- Implemented 1-3 highest priority user stories per sprint (1 week).
- Applied the MVC, Strategy, and Command design patterns.

## SKILLS

**Web:** MERN Stack [MongoDB, Express, ReactJs, and NodeJs], HTML/ CSS, Javascript, PHP

**Programming Languages:** Python, Java, Bash, SQL, R

**Databases:** MongoDB, PostgreSQL, MySQL

**Technologies:** Git, Linux Tools, RStudio, VScode