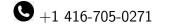
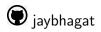
JAY BHAGAT

Computer Science Student

☑ jbhagat@uwaterloo.ca







Skills

Languages: Java, Racket, C, JavaScript, Python, HTML/CSS

Technologies: React.js, Git, Node.js, LATEX, PostgreSQL, Firebase

Projects

Personal Website (JavaScript, HTML/CSS)

- Utilized the open-sourced React. is JavaScript library to build a website that displays my portfolio
- Designed the website using modern technology practices such as components and React-MDL
- Used React-Router, the GoogleFonts API, and Gradients UI to build a user-friendly, multi-page website

Brick Breaker (Java)

- Applied principles of Object-Oriented Programming to design a throwback version of Atari Breakout
- Implemented multi-dimensional arrays and the Paint interface in Java to help design an attractive GUI

SudokuSolver (Python)

- Developed a recursive backtracking algorithm to find and display the solutions to a given Sudoku Board
- Used the NumPy library to implement its matrix operations on the Sudoku Board
- Applied the *UnitTesting framework* in Python to debug and execute assertion-based testing on the code

Experience

The EPOCH App

Waterloo, ON

Software Developing Intern Feb. 2019 - Apr. 2019

- Implemented parts of the EPOCH website using React.js to improve its UX/UI design to attract users
- · Applied source links to the different pages of The EPOCH App to make the website more efficient
- Effectively managed code repositories with Git to work with an agile software development style

City of Brampton

Brampton, ON

Seasonal Camp Counselor & Preschool Instructor

Mar. 2018 - Aug. 2019

- Designed activities for participants to develop their problem solving and motor skills as commented on by numerous parents
- Integrated participants with disabilities with the remainder of the group through activities as evidenced by their increasing social circles

TFSS HOSA

Brampton, ON

Vice-president of Education

July 2017 - June 2019

- Lead a team of 14 Training Coordinators to develop a strategy to teach required content to 120 high school students from which 35 were part of the Top 10 in their respective events
- Organized a completely new educational structure for the TFSS HOSA chapter to improve the *quality of education* for students

Education

University of Waterloo

Waterloo, ON

Candidate for Bachelor in Computer Science, Honours (GPA 3.96)

Sept. 2019 - May 2024

• President's Scholarship (95%+)

Turner Fenton Secondary School

Brampton, ON

IB Diploma & OSSD (99.2% University Admissions Average)

Sept. 2015 - June 2019