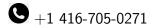
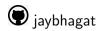
JAY BHAGAT

Computer Science Student

ibhagat@uwaterloo.ca







Skills

Languages: Java, Racket, C, JavaScript, Python, HTML/CSS Technologies: React.js, Git, Node.js, LATEX, PostgreSQL, Firebase

Projects

- Personal Website: Used React.js with HTML/CSS and JavaScript to build my own personal website to display my portfolio and deployed it using Firebase.
- Brick Breaker: Applied principles of Object-Oriented Programming and multi-dimensional arrays to make a throwback version of Atari Breakout using Java.
- Number Theory Calculator: Applied different efficient and recursive algorithms to create a calculator that has operations for mod, gcd, lcm, etc. in C.
- SudokuSolver: Implemented and developed a backtracking, recursive algorithm to determine the correct solution for a Sudoku problem using the NumPy library from Python.

Experience

The EPOCH App

Waterloo, ON

Software Developing Intern

Feb. 2019 - Apr. 2019

- Implemented parts of the EPOCH website using React. is 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 Mar. 2018 - Aug. 2019

Seasonal Camp Counselor & Preschool Instructor

- 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 Sept. 2019 - May 2024

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

• President's Scholarship (95%+)

Turner Fenton Secondary School

Brampton, ON Sept. 2015 - June 2019

IB Diploma & OSSD (99.2% University Admissions Average)