

JAY BHAGAT

Computer Science Student

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🗣 jaybhagat

🌐 bit.ly/JayBhagat

Skills

Proficient with: Java, Racket, C, JavaScript, HTML/CSS, React.js, Git, \LaTeX

Familiar with: Node.js, Python, PostgreSQL, Firebase

Relevant Experience

The EPOCH App

Software Developing Intern

Waterloo, ON

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

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*.

Additional Experience

City of Brampton

Seasonal Camp Counselor & Preschool Instructor

Brampton, ON

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

Vice-president of Education

Brampton, ON

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

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

Waterloo, ON

Sept. 2019 - May 2024

- President's Scholarship (95%+)

Turner Fenton Secondary School

IB Diploma & OSSD (99.2% University Admissions Average)

Brampton, ON

Sept. 2015 - June 2019