

# JAY BHAGAT

Computer Science Student

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## Skills

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

**Technologies:** *React.js, Git, Node.js, L<sup>A</sup>T<sub>E</sub>X, 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 with *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:** Integrated the use of different efficient *algorithms*, along with their *time complexities* with programming in *C* to create a calculator that has operations such as *mod*, *gcd*, *lcm*, etc.

## 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*

- Supervising over *60 participants* (ranging from 3 to 13 years old) with a team of 3 other counselors to ensure their safety
- 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%+)
- CPL Academic Scholarship Winner

### Turner Fenton Secondary School

Brampton, ON

*IB Diploma & OSSD (99.2% University Admissions Average)*

*Sept. 2015 - June 2019*