

# Bill Zeng

Software Engineer



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## AWARDS

### Canadian Computing

#### Olympiad

Silver Medallist

2018

### Euclid Math Contest

Honourable Mention

2018

## Languages

C++	C#
Java	Javascript
Python	HTML
CSS	SQL

## Frameworks

ReactJS	NodeJS
AWS	GraphQL
Angular	Bootstrap

## EDUCATION

University of Waterloo

Bachelor of Computer

Science

2018 – 2023

85% Faculty Average

## EXPERIENCE

### Software Engineer

#### Kitchenmate | Summer 2019

- Implemented supply chain optimization service to drive the company's ingredient purchasing decisions, generating positive net margins on each product
- Created database migration diff tool and automated backup system, preventing data loss and improving developer velocity
- Bootstrapped a route navigation system for drivers with real time delivery notifications sent to the company and customers
- Designed and built the company website (kitchenmate.com)

### Programming Teacher

#### Triway Education | 2016

- Led a robotics team that qualified for the provincial Vex Robotics competition
- Taught over 30 students graph theory, data structures and dynamic programming

## PROJECTS

### Quick Maths

#### Facebook Instant Game | Fall 2018 | React

- A math game that promotes friendly competition amongst friends
- Implemented sharing, challenging, leaderboards and ads
- 22k unique users

### Flastronaut

#### Ludum Dare 39 | Summer 2017 | Unity

- A game played from the perspective of a flashlight wielding astronaut, whose duty is to grow life on another planet while protecting it from evil spirits
- Implemented player controls, AI, game mechanics and art assets in three days
- Ranked in the top 10 percentile out of 2000+ submissions

### Bubbly

#### Hack the Six | Summer 2019 | React, Bluetooth, Arduino

- An interactive LED bubble wall that reacts to user input
- Placed top 10 overall