

# Evan Qi

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## TECHNICAL SKILLS

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**Languages:** Java, Python, C/C++, SQL, HTML/CSS, JavaScript, R  
**Frameworks/Developer Tools:** Git, React, Express, Node.js, Flask, SQLite, MongoDB/Mongoose, TensorFlow/Keras, Selenium, Docker, Google Cloud Platform, Heroku

## EXPERIENCE

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### Web Developer

Sep. 2018 – Dec. 2020

*Markham Mayor's Youth Council*

*Markham, ON*

- Developed a website using Node and Express working directly with the City of Markham, promoting youth engagement and well-being.
- Increased accessibility with the Google Translate API, benefiting **1500+** average monthly visitors.
- Routed contact inquiries via Google Apps Scripts, allowing ease of access for all council members through a local spreadsheet.
- Facilitated the council's first online event, raising **over \$1000** for the Markham Cares food drive, aiding families critically affected by COVID-19.

### Hour of Code Volunteer

Sep. 2017 – June 2018

*Bayview Secondary School*

*Richmond Hill, ON*

- Held interactive workshops demystifying the 'concept of code' for **100+** students across three different schools.
- Worked closely with a team of classmates in preparing presentations.
- Took initiative in adapting lessons and interactive activities for different age groups, while also advocating for women in STEM careers.

## PROJECTS

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### Pickstop | *Chrome Extension*

- Created a chrome extension that chooses a restaurant for users based on inputted preferences, promoting local businesses during the pandemic.
- React (JavaScript) App using the Yelp API, currently publishing to the Chrome Extensions Store.

### GQ-SMS | *Twilio SMS Chatbot*

- Developed an SMS Chatbot service, promoting men's mental health resources (text **+1(249)-506-2013**).
- Implemented a light machine learning model with Tensorflow and Keras to optimize response speed and accuracy, compiled with Stochastic Gradient Descent.
- Researched and contacted online mental health support sites to build a training model, ensuring a considerate and sensitive and response system.
- Flask (Python) app using the Twilio SMS API and NLTK language processing, hosted on Heroku.

### Gym Slot Automation | *Web Script*

- Created a script to book slots at Waterloo's CIF Fitness Centre, facilitating a scheduled fitness agenda.
- Developed using Selenium Webdriver with Python.

## EDUCATION

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### University of Waterloo - Honours Computer Science (BCS)

Sep. 2020 – Present

*4.0 GPA (95%), President's Scholarship of Distinction*

*Waterloo, ON*

### Bayview Secondary School

Sep. 2016 – June 2020

*International Baccalaureate DP (38/45), graduating average 98%*

*Richmond Hill, ON*

## INTERESTS AND HOBBIES

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Watching and analyzing film, playing badminton (ex-competitive), hiking (traversed 310/885km of the Bruce Trails), low-calorie cooking, Pokémon Go, occasional daydreaming.