

Evan Qi

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TECHNICAL SKILLS

Languages: Java, Python, C/C++, SQL, HTML/CSS, JavaScript, R

Frameworks/Developer Tools: React, Express, Node.js, Flask, MySQL, MongoDB/Mongoose, TensorFlow/Keras, Selenium, Docker, Git, Google Cloud Platform, Heroku

EXPERIENCE

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

Pickstop | Chrome Extension

December 2020

- 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 Google Maps API, published to the Google Chrome Store.

GQ-SMS | Twilio SMS Chatbot

December 2020

- Developed an SMS Chatbot service, promoting men's mental health resources (text **+1(249)-506-2013**).
- Created using a light machine learning model with Tensorflow and Keras to optimize response speed and accuracy, compiled with Stochastic Gradient Descent.
- Contacted and researched 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

January 2021

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

EDUCATION

University of Waterloo - Honours Computer Science (BCS)

Waterloo, ON

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

Sep. 2020 – Present

Bayview Secondary School

Richmond Hill, ON

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

Sep. 2016 – June 2020