

RYAN TSANG

647-515-5925 | ryan.j.tsang@gmail.com | <https://github.com/rtsng>

EDUCATION

- 2020 - Present Bachelor of Computer Science
Studying computer science at the University of Waterloo
- 2016 - 2020 International Baccalaureate Diploma
At St Robert Catholic Highschool

COMPUTER SKILLS

Software Proficient in Racket, Scheme, Python, Html, css, Javascript
Familiar with Java
Familiar with Git
Some experience with Reach-based frameworks, as well as Gatsby

Hardware Some experience with raspberry pi

PROJECTS

Earth Sense [github](#) [devpost](#) IoT device connected to a React-based front end which actively updates, in real time, different levels of pollution in a given area. Simulates a heatmap which portrays density of different pollution levels across a map. Built in pathfinding software which displays on the map to help users get from one place to another while avoiding pollution.

Sociiz [github](#) Web based application to help facilitate social distancing during a pandemic. Updates on a user basis and lets other users know how many people are at a given location. Sends SMS alerts if places are crowded. Assists users in finding un crowded places like parks, or restaurants. Users can enter, and add more places to the database with the click of a button.

Memorizing app [github](#) Simple apple application which takes a chunk of text and slowly breaks it down for the user to assist them in memorizing any piece of text.

OTHER EXPERIENCE

Competitive Coding CCC 2020
Achieved distinction in the Canadian Computing Competition

Hackathons
Attended several hackathons including Hack the north, NASA space hacks, and others
Winner at Hack the Hammer 2 — Canada's largest High School Hackathon

Work Experience Tutor — 2017 (jan) - 2020 (aug)
Tutoring students ranging from ages 6 - 16 in subjects ranging from english, french, math to advanced functions, calculus, vectors, and competition math.

Badminton Coach — 2017 (jul) - 2018 (aug)
Coaching students of all ages, teaching fundamentals and training those who play competitively at a provincial level.