

Raveen Singh

Student. Software Engineer.

✉ raveen.singh@uwaterloo.ca
🌐 raveensingh.co
in [itsraveen](#)
🐙 [raveen-singh](#)

Work Experience

Aug 2018 – **Software Engineering Intern, Bitcoin Bay.**

- Oct 2018
 - Developed the signup process using OAuth based authentication with Passport.js to onboard new users
 - Implemented an intuitive UI using **React** & used **Socket.IO** for real time communication
 - Helped to automate workflow by using Travis CI to build a development pipeline in order to ensure error free builds
 - Created an API that followed **RESTful** principles with **NodeJs** that communicated the customers payment information to the front end

Jul 2018 – **Web Developer Intern, BTNX.**

- Aug 2018
 - Part of a cross functional team to create responsive websites using Visual Studio
 - Utilized MySQL to manage databases and perform data integrity checks
 - Automated data aggregation by writing custom scripts
 - Utilized AGILE development principles to implement new features into an existing C# & .NET codebase

Other Experience

Founder, Toronto Youth Network.

- Executed monthly goals, achieving a reach of around 1000 students around the GTA
- Successfully ran two ~200 participant, 24 hour, hackathons in July 2017 and December 2017

Projects

Nov 2018 **uSober**, (Hackathon), *NodeJs, React.*

- Created a progressive web app that empowers users to make educated inferences as to their cognitive abilities using research based inferences and feature based image classifiers
- Application uses a custom model using **Google's Cloud Vision API** to identify cognitive impairment built on top of a **React** application

Dec 2016 **WeatherMaps**, *Node.js, HTML & CSS.*

- Shows weather projections for departure and destination locations; at the time of departure, and the time of arrival.
- Application runs on a **Node.js** backend, querying the **Google Maps API** for map data, and **forecast.io** for weather projections.

Awards

Sept 2018 **Finalist**, *Hack the North 2018 Hackathon.*

Built a device that assists the hearing impaired by using sound triangulation and augmented reality using an **Arduino** combined with microphone sensors and a **Node.js** application

Dec 2018 **2nd Place**, *Alpha Hacks Hackathon.*

Used Google's **Natural Language API** and the **Twitter API** to make a decision to buy or sell a stock based on the current sentiment

Feb 2017 **3rd Place**, *Fraser Hacks Hackathon.*

Built a web application that curated a music playlist based on the weather using the **Dark Sky API** and **NodeJs**

Skills

Development	Python, JavaScript, Java, C, React/Redux, Node.js, Express.js, jQuery
Data	MongoDB, MySQL, Firebase
Tools	Docker, Git, Travis CI

Education

(Expected) **Honors Bachelor of Computer Science Co-op**, *University of Waterloo.*
2019 - 2024