Raveen Singh

✉ raveen.singh@uwaterloo.ca
🌐 raveensingh.co
in its-raveen
⌘ raveen-singh

Skills

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

Work Experience

Aug 2018 – Oct 2018 — **Software Engineering Intern**, *Bitcoin Bay*
- Developed the signup process using OAuth based authentication with **Passport.js** to onboard new users
- Implemented an intuitive UI using **React** and used **Socket.IO** for real-time payment communication
- Optimized workflow by using **Travis CI** to build a development pipeline in order to ensure error-free builds, saving an estimated 3 hours in development time
- Created an API that followed **RESTful** principles with **Node.js** that communicated the customer's payment information to the front end

Jul 2018 – Aug 2018 — **Web Developer Intern**, *BTNX*
- Part of a cross-functional team to create responsive websites according to client specifications
- Utilized **MySQL** to manage databases and perform data integrity checks
- Automated data aggregation by writing custom scripts using Mozenda
- Applied **Agile** development principles to implement new features into an existing C# & .NET codebase

Other Experience

Founder, *Toronto Youth Network*
- Founded a student led, non-profit organization dedicated to student networking within the technology sector
- 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, Node.js, 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 runs on a custom model using **Google's Cloud Vision API** to identify cognitive impairment built on top of a **React** application

Sept 2018 — **Audite**, *Hackathon*, Node.js
- Built a navigation tool for people with hearing impairment
- Application built using a Raspberry Pi, **Arduino**, and 3 microphone's to triangulate and decipher speech in real time; text was also displayed on screen over the source of sound using **AR**

Dec 2016 — **WeatherMaps**, *Hackathon*, Node.js, HTML & CSS
- Developed an application that shows weather projections for departure and destination locations; 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

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

Nov 2018 — **Best use of Machine Learning**, *Electric City Hacks Hackathon*

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

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

Education

2019 - 2024 — **Honors Bachelor of Computer Science Co-op**, *University of Waterloo*