Raveen Singh

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Skills

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

Experience

May 2020 – Aug 2020

Data Engineering Intern, *Toronto Stock Exchange*

Aug 2018 – Oct 2018

Software Engineering Intern, *Bitcoin Bay*
- Developed the signup process using OAuth based authentication with **Passport.js**
- 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
- Implmented API endpoints 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 code-base

Founder, *Toronto Youth Network*
- Founded a student led, non-profit organization dedicated to student networking within the technology sector 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*, usober.herokuapp.com
- 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**

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*