Raveen Singh

Student. Software Engineer.

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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** & 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 –
Aug 2018
Web Developer Intern, *BTNX*.
- 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; 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 Lanauge 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)
2019 - 2024
Honors Bachelor of Computer Science Co-op, *University of Waterloo*.