

Raveen Singh

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github.com/raveen-singh/

SKILLS

Development

Python
Javascript
Java
React / Redux
Node.js
Express.js

Tooling

MySQL
MongoDB
Firebase
Docker
Git
Travis CI
AWS

EDUCATION

Computer Science, BCs

University of Waterloo
2019 – 2024 (Expected)

AWARDS

Finalist, Hack the North

2nd Place, AlphaHacks

Best Machine Learning, EcHacks

3rd Place, Fraser Hacks

PROJECTS

uSober

[Github](#) | [Demo](#)

Cognitive impairment
identification using machine
learning

Audite

[Github](#) | [Demo](#)

AR sound triangulation tool to
help the hearing impaired

WORK EXPERIENCE

SOFTWARE DEVELOPER INTERN • TMX

APRIL 2020 – AUG 2020

Deployed dockerized microservices on AWS using ECS, set up ci/cd pipelines improving existing deployment times
Created ETL pipelines to feed data for visualizations
Built visualizations of key data metrics to improve business decisions
Deployed serverless RESTful API's using AWS API Gateway and lambda
Optimized existing data querying processes by 3x

SOFTWARE ENGINEERING INTERN • BITCOIN BAY

AUG 2018 – SEPT 2018

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
Implemented API endpoints with Node.js that communicated the customer's payment information to the front end

WEB DEVELOPER INTERN • BTNX

JUL 2018 – AUG 2018

Created responsive websites according to client specifications, while apart of a cross-functional team
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

COMMUNITY

PROJECT DEVELOPER • UW BLUEPRINT

SEPT 2020 – PRESENT

FOUNDER • TORONTO YOUTH NETWORK

FEB 2017 – DEC 2019

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