

SKILLS

Languages Python · HTML · CSS · JavaScript · C · C++ · SQL · APEX
Libraries/Frameworks React · jQuery · React Native · Redux · REST · Numpy · Pytorch · Matplotlib · Pygame
Tools Git · VSCode · Bash · Salesforce · Android Studio · Jira · BitBucket

ACHIEVEMENTS/POSITIONS

Sep 2020 Capital One Mentorship Program (ends April 2021)
Sep 2020 Grace Hopper Conference *Sponsored Student Ambassador*
Feb 2020 **Google Hash Code Competition Top 30 in Canada**
Feb 2018 Education Computing Organization of Ontario Competition 2nd in Central Region

EXPERIENCE

Newtopia | Junior Fullstack/Mobile Developer

Apr 2020 – Present

- Developed unsaved warnings feature using **Apex (Java based code)**, **JavaScript**, and **HTML** to protect clients from losing data
- Integrated client exit procedure, using **SQL** to query its employees and update its status, Apex to create a batch job, and **HTTP callouts** to unsubscribe Fitbits
- Constructed GET and POST **Restful APIs** so users can automatically complete workout goals through fitbit and App Health as well as view their goals on the mobile app
- Created mobile app pages where user's health journey information are saved to state and reduced so previous and next states are synced with actions and can be used throughout the application using **React Native**, paired with **Android Studio**, and **Redux**

Does Software Inc | Junior Front End Developer

Apr 2019 – Jul 2019

- Handled client-side interaction with **HTML**, **CSS**, **jQuery** and **Angular** including searching for merchandise, adding items to shopping bag and a slide show component with responsive buttons implementing partial page updates
- Implemented fade, slide, and delay animations using **CSS transitions** and **jQuery effects** for a smooth and intuitive experience for users

Aurora Programming Club | Director of Programming

Sept 2018 – May 2019

- Taught students **Python** and object oriented programming raising students' Canadian Computing Contest and Education Computing Organization of Ontario scores by 60% after 1 year of teaching.

Southlake Regional Health Center | IT Intern

Sept 2017 – Feb 2018

- Automated multiple workflow application forms used throughout the entire hospital with **Python** and SRHC's unique scripting language

PROJECTS

Orderio | JavaScript ReactJS NodeJS HTML CSS

- Mobile ordering web app that allows customers to scan a qr code on the table and order from their own phones. This means no wait time for customers and less walking for staff. During Covid this also creates a safer alternative.
- Partnering with SalesPlus a local POS system startup with 20+ restaurant clients. Initial pitch had very successful reactions from clients.

FocusPocus | JavaScript Python Pytorch TorchText Matplotlib

- Utilized Pytorch with text classification datasets in TorchText to interpret/sort browsing content into categories for users to review
- Created a dashboard for users to view graphs and reports on their productivity and discover key distractions

Badminton Tryout System | Python Numpy Pygame

- Constructed a ranking algorithm for all players based on limited matches using the breadth-first searching algorithm on a many to many data model with functionality that allowed players to view their profile and match history using objected oriented programming
- Tested on Aurora Highschool with 100+ users, sped up the original tryout process by 300% due to less games required, easy tracking, and automated ranking

Smart Mirror | Python OpenCV React

- Integrated facial recognition authentication built using OpenCV library in Python to log into the mirror
- Built widgets including calendar, camera, and Spotify using React JS and REST APIs

EDUCATION

University of Waterloo | Software Engineering

2019 – 2024

3.8 cGPA · Term Dean's Honour List · President's Scholarship of Distinction · GHC 2020 Cohort