

## SKILLS

**Languages** JavaScript · SQL · Python · HTML · CSS · C++ · C · APEX

**Libraries/Frameworks** React · jQuery · D3.js · Node.js · Numpy · Pytorch · OpenCV · PyGame

**Tools** AWS · Git · Unix · Salesforce · Jira

## EXPERIENCE

### Newtopia | Full Stack Developer

Apr 2020 – Aug 2020

- Constructed **Restful APIs** with **over 12k users** where they can automatically complete workout goals through Fitbit and App Health as well as view their goals on the mobile app
- Created mobile app using **React Native** and **Android Studio**, where user's information are saved through **Redux** for information to be used throughout the application
- 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 and update their status, Apex to create a batch job, and **HTTP callouts** to unsubscribe Fitbits

### Does Software Inc | Front End Developer

Apr 2019 – Jul 2019

- Designed and built front-end abstractions in **JavaScript**, working closely with designers to build reusable components
- Handled client-side interaction to support searching for merchandise, adding items to the shopping bag and viewing products through a responsive slideshow that implements partial page updates with **HTML**, **CSS**, and **jQuery**

### Aurora Programming Club | Lead Programming Instructor

Sep 2018 – May 2019

- Taught 20+ students **Python** and object oriented programming, **boosting student scores by 60%** for the Canadian Computing Contest and Education Computing Organization of Ontario after 1 year of teaching.

## PROJECTS

### Orderio | JavaScript, React, NodeJS, HTML, CSS

Jul 2020 – Present

- Partnering with **SalesPlus POS**, a local startup with **20+ restaurant clients** and actively collaborating to develop mobile ordering web app that allows customers to scan a QR code on the table and order from their own phones.
- Reduced customer wait times by 15 minutes** and staff walking times by 20% during Covid by creating a safer alternative to ordering

### FocusPocus | JavaScript, Python, Pytorch, TorchText, React, D3.js

Jun 2020 – Present

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

### Smart Mirror | Python, OpenCV, React, RESTful APIs

Sep 2019 – Dec 2019

- Integrated facial recognition authentication using OpenCV library in Python
- Built widgets including calendar and Spotify using React and Spotify Web API and Google Calendar API

### Badminton Tryout System | Python, Numpy, Pygame

Dec 2018 – Feb 2019

- Utilized OOP to construct a breadth first search athlete-ranking algorithm, with profile and match history
- Tested on Aurora Highschool with **100+ users** and **accelerated the original process by 300%** by reducing required matches

## ACHIEVEMENTS

Sep 2020 **Capital One Mentorship Program** – selects top Software Engineering Students in Ontario

Feb 2020 **Google Hash Code Competition Top 30 in Canada** – team algorithmic programming competition

Feb 2018 **Education Computing Organization of Ontario Competition 2<sup>nd</sup> in Central Region**

## EDUCATION

### University of Waterloo | Software Engineering

Sep 2019 – Apr 2024

**3.80 cGPA** · Term Dean's Honour List · President's Scholarship of Distinction · GHC 2020 Student Ambassador

**Relevant Courses:** Algorithms, Data Structure, Linear Algebra, Digital Circuits and Systems, Foundations of Sequential Programs, Digital Computers, Natural Language Processing Specialization (Coursera)