

## QUALIFICATIONS

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### Languages

Javascript, HTML5, CSS3, Python, C/C++, SQL, Bash

### Frameworks / Technologies

React, Express, Node.js, Redux, Bootstrap, Firebase, MongoDB, MySQL, Git, WebRTC, Windows, MacOS, Linux

## EDUCATION

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### University of Waterloo

Sep 2019 - Ongoing

Candidate for Bachelor of Computer Science

## EXPERIENCE

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### Full-Stack Developer, *Apptitude Inc.*, Montreal, QC

May 2020 - Aug 2020

- Designed and developed, in agile environment, web application offering streamlined subscription-based video-calls to connect instructors and students
- Established network socket connection to allow peer-to-peer audio and video communication using **WebRTC** and integrated metered billing model thanks to **Stripe API**
- Added **Redux** state management to **React** front end in order to make code more manageable, organized and easier to test as the app grows

### Junior Front-End Developer, *Helvetica*, Montreal, QC

Apr 2018 - Jun 2018

- Used **React** to design clean and responsive front-end interface, alongside design and product team, to inform users about company's digital marketing and video production services
- Improved customer communication with company's production team through integration of **React Hook Form**, resulting in a 30% increase in monthly requests from customers
- Embed Vimeo videos in portfolio page to showcase company's achievements

## PERSONAL PROJECTS

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### MapChat

[github.com/vicswu/MapChat](https://github.com/vicswu/MapChat)

- Developed location-based messaging app with **MongoDB** collection, **Express** server, **React** and **Node.js**
- Allowed users to create public chatrooms in desired locations on map rendered with **Google Maps API** and to message each other instantly thanks to **Socket.IO**
- Created secure **RESTful API** for select and action queries in order to retrieve documents and to insert additional coordinates according to the defined schema

### Real Time COVID-19 Visualizer

[github.com/vicswu/Covid-Map-Visualizer](https://github.com/vicswu/Covid-Map-Visualizer)

- Created user-friendly web app with **React** front-end and custom interactive map from **Mapbox API** in order to help users understand the severity of the pandemic
- Gathered up-to-date information using **useSWR** from **RESTful API disease.sh** which sources data directly from John Hopkins University and New York Times

### Stock Tracker

[github.com/vicswu/Stock-Tracker](https://github.com/vicswu/Stock-Tracker)

- Built web scraping app focused on gathering relevant information relating to users' preferred stock with **Node.js** and **Express** back-end and **RESTful API** for stock search submission and stock portfolio
- Used **Node.js Puppeteer library** to control Chrome for information gathering from website's **XPath**, and **MySQL** to store the scraped data for future use