Victor Shijie Wu

vicswu.ca
github.com/vicswu
linkedin.com/in/victor-s-wu/
(438) 998-9670
v27wu@uwaterloo.ca

SKILLS

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

University of Waterloo   Sep 2019 - Apr 2023

Bachelor of Computer Science

• University of Waterloo President's Scholarship (above 90%+ average)

Relevant Courses

• Elementary Algorithm Design and Data Abstraction and Data Abstraction (**C**)
• Object-Oriented Software Development (**C++**)

WORK EXPERIENCE

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 using **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

MapChat | 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

• 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
• Retrieved up-to-date data from **RESTful API disease.sh**, which gathers information from John Hopkins University and New York Times, using **useSWR**

Stock Tracker | 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 database** to store the scraped data for future use