

### **Skills & Awards**

Languages: Python, JavaScript, R, C/C++, HTML/CSS, Racket

Frameworks and Tools: Pandas, Numpy, Scrapy, SciKit-Learn, Tensorflow, Plotly, Flask, Node, Express, React, Bootstrap, Git, Firebase, REST API

Awards and Scholarships: PPG Canada Scholarship (2021), University of Waterloo President's Scholarship (2021), CRC Robotics Leadership Award (2020), Les Prix du Mérite en Histoire (2019), Centennial Regional High School Principal's Honor Award (2020)

# Experience \_\_\_\_\_

Remote

FULL STACK DEVELOPER (PART-TIME)

July 2021 - PRESENT

- Developed a user-friendly website using React and Bootstrap to educate 500+ children in developing countries
- Accelerated load-time by 17% by code-splitting, utilizing CDNs, minifying code, and removing unnecessary content and plugins
- Standardized all design outputs with a mobile-first approach along with addressing previous UX/UI designs issues in order to ensure app uniformity
- Offered design ideas and supported newer members of the team by providing online resources to grow and develop skills

CrowdDoing Remote

DATA SCIENCE INTERN May 2020 - Aug. 2020 · Collected data of 65+ herbs from different sources including the National Library of Medicine using data crawling techniques through Python with libraries

- such as **Scrapy and BeautifulSoup**, in order to provide data to the analytics team with the product's potential benefits, safety concerns, reactions, etc. Processed and cleaned dozens of unstructured data-sets through libraries such as Pandas and NumPy in order to allow for data to be processed correctly
- Applied cluster analysis techniques such as K-means clustering to classify 100+ nutrients into ingredients and categories for recommendation engine
- Assisted in the development of a recommender system to suggest medicinal foods based on user choices from the clustered data

**Elevate the Future** Montreal, Canada

PRESIDENT ETF CANADA

- Elevate the Future is a student-run worldwide non-profit with the goal of helping students attain skills in Computer Science and Business
- Founded and formed the first Canadian branch of Elevate the Future, which held computer science workshops for youth across Montreal

Held dozens of workshops to teach the basics of vanilla front-end web development (HTML, CSS, and JavaScript) to attendees all across the world

Other Experiences: Customer Service Agent at Teleperformance (Jul 2021 – Sep 2021), Teaching Assistant at Kumon (Apr 2019 – Aug 2020)

## **Projects**

#### Amazon Reviews Scraper 🗹

Solo Project

May 2020 - May 2021

COMMON FREELANCE OPPORTUNITY, CREATED BECAUSE OF ITS REAL WORLD USE AND DEMAND

- Leveraged Python and Scrapy to scrape multiple product reviews from different products based on the unique ASIN number provided by Amazon
- Added cool down and open in-browser to prevent the program from getting caught in Amazon's CAPTCHA trap and continue downloading reviews

**Vaccinator** Solo Project

A FUN REMIX OF SPACE INVADERS SUBMITTED TO HACK-CADE HOSTED BY MLH

May 2021

- Employed Python and Pygame to develop a game where the player is a vaccine with the goal of getting past as many outbreaks of Covid-19 as you can
- Implemented games components such as the vaccine (player), shots and viruses (enemies), using **OOP principles**

Solo Project

DATA VISUALIZATION

Stockify 2

Forex 🗹

May 2021

- Created a stock visualizer capable of displaying an interactive graph of any S&P 500 stocks with different comparisons such as Opening value, Daily High, Daily Low Price, Closing value, or Volume traded compared against the date
- The graphs are generated using the Python library Plotly and the data is organized using Pandas

A FULL-STACK MERN APP THAT FEATURES A DISCUSSION FORM THAT ALLOWS FOR PEER-TO-PEER CURRENCY EXCHANGE

Solo Project December 2021

2021 - 2025

• Created a chat using Firebase which allows for unlimited messaging where users are asked to post their desired and possessing currencies to establish trade

- Focused heavily on UX/UI design by using frameworks like Tailwind CSS, the front end is built using React and the back end with Node.js
- Uses a MongoDB database to store login credentials as well as Express to help facilitate in creating the server, which handles user authentication
- Web application includes authentication using JWT signature verification to keep the user logged in so that they may continue to use the API and chat
- · Utilizes Fixer.io's API to display current exchange rates of commonly traded currencies on the dashboard accessible upon login

#### **Education**

BACHELOR OF COMPUTER SCIENCE, CUMULATIVE GPA: 3.9

**University of Waterloo** Waterloo, Canada

- · Relevant Coursework: Functional Programming, Algorithm Design & Data Abstraction, Probability, Linear Algebra, Statistics (Advanced Level)
- · Activities and Societies: Computer Science Club, Data Science Club, UW Cyber Security, University of Waterloo Finance Association

Other Institutions: Science at Marianopolis College (2020-2021), Centennial Regional High School Talented & Gifted Program (2015-2020)