

EDUCATION

University of Toronto

Honour's Bachelor of Science

Specialist in Computer Science (ASIP co-op) & Major in Cognitive Science

September 2021 - June 2025

GPA: 3.67/4.0

SKILLS AND TECHNOLOGIES

Programming: Python, Javascript/Typescript (ReactJS, NodeJS), HTML, CSS, Java, C, PHP, Golang
Databases: MySQL, PostgreSQL, MongoDB, Firestore
Tools: Git, Docker, \LaTeX , Excel

EXPERIENCE

University of Toronto Machine Intelligence Student Team

Web Developer

October 2022 - Present

Toronto, ON

- Designing and implementing the website for an upcoming applied machine learning MLH-partnered hackathon, Hack the Mist, by using React, Typescript, along with ChakraUI, Figma, and Jira

Fair

Web Developer

May 2021 - May 2022

Oxford, UK (Remote)

- Developed a prototype paper-trading web application using Golang with live price information and trading functionality with mock accounts stored in MongoDB
- Built UI components and pages in NextJS to display content fetched from an internal API
- Collaborated with colleagues in a tight-knit, fast-paced startup environment using the SCRUM framework to efficiently develop an ESG financial education and trading platform

Park Lane International School Model United Nations

Head of Digital Operations

April 2018 - June 2021

Prague, Czech Republic

- Designed, developed, deployed, and maintained a custom full-stack online platform to facilitate delegate applications and conference administration for over 500 attendees
- Enabled comprehensive user and data management through a PHP backend and MySQL database
- Enhanced outreach through advertising and facilitated data collection through Google Analytics

PROJECTS

Street Savvy 🐙 (Python, ReactJS, Firebase)

- Developed a React web app to suggest Toronto restaurants using a custom recommendation engine fed with data from over 1300 locations aggregated used Google Places API and stored in a Firestore database
- Created a RESTful API in Python with Flask to handle user actions and recommendation generation
- Employed the Cohere NLP API to extract location categories and to summarize Google Maps reviews

Twitter Geo-Sentiment 🐙 (Python, ReactJS, MongoDB)

- Built a full-stack web app allowing for queries analysing and visualising regional sentiment towards a given topic using the Twitter API
- Achieved a predictive accuracy of 90% using a Naïve Bayes model trained using NLTK and Scikit-learn
- Created a frontend with React that interacts with a Flask RESTful API that interacts with the Twitter API, performs sentiment analysis, and stores data using MongoDB

Fourier Series Animation 🐙 (ReactJS)

- Constructed a web app in React for approximating user-inputted curves using the Fourier series
- Implemented animations efficiently based on custom algorithms for evaluating complex definite integrals
- Employed the Canny algorithm to extract edges from images to generate a function able to be approximated by the Fourier series