

EXPERIENCE

Platform Engineer Co-op | Agfa Healthcare

May 2021 – Aug. 2021

- Developed test scripts in Java and Eclipse to be tested in Jenkins that automated the scroll feature for load and endurance testing, stimulating the desired 10% of total studies to be successfully viewed as requested
- Evaluated and improved the data analysis process for test run metrics by incorporating percentage comparisons box and whisker plots to accurately represent the test outcomes, leading to a cohesive presentation of test results
- Actively participated in the Agile/Scrum team model by contributing to biweekly sprint planning and documenting progress in Jira, resulting in an overall task completion rate of 100%

Web Developer | Develop for Good

Apr. 2021 – Aug. 2021

- Developed an interactive and fully functioning website for a non-profit organization using Webflow, CMS, HTML and CSS that successfully called a RESTful API for public donations and petition signatures
- Designed creative wireframes and website prototypes in Figma in accordance with client's vision

Machine Learning and Data Analyst | Lisen

June 2021 – Present

- Collected and organized 700 datasets to enhance the machine learning algorithm.
- Analyzed product, market and share trends to evaluate competitive market strategies.

Research Assistant | University of Waterloo

May 2020 – Aug. 2020

- Collected and analyzed research findings regarding the impact of engineers in Canada on the fight against COVID-19; research results published in Canadian Society for Mechanical Engineering; jointly wrote an op-ed titled *Engineering Our Way Through A Pandemic* published in Vancouver Sun and QUO Media
- Utilized Excel to organize high volumes of data and effectively communicate results to *Engineering Deans Canada*

Coding Instructor | Kids Code Jeunesse

July 2020 - Present

- Created and taught engaging lessons on Python and HTML/CSS to small groups of children aged 8-12, leading to an enriched knowledge of programming principles such as loops, operators, and language syntax
- Collaborated with other coding instructors to improve content, resulting in an increase in participation rates

PROJECTS

OnMyMind Blog App

- Designed and developed a fully functioning application using Python and Django with user authentication, interactive pages, user profiles, and an administrative database.

Recipe Web App

- Developed a recipe web application that utilizes an API to recommend popular recipes based on the user's search
- Applied knowledge of React and front-end development to design an interactive and user friendly interface

Full-Stack Machine Learning Web Application

- Web application that allows the user to upload an image and returns the number of human faces detected
- Front-end development in React; back-end implementation functionality with Python using Flask; implementing the back-end communication as a RESTful API in Python

EDUCATION

University of Waterloo

Candidate for B.A.Sc. in Biomedical Engineering

2020 – 2025

- Current grade average: 94.3%
- Dean's Honour List

SKILLS

Languages/Frameworks:

Java, Python, HTML, CSS, JavaScript, C++, C#, SQL, React, Django, Flask

Software:

Figma, Adobe Creative Suite, Webflow, Jira, Jenkins, Selenium

AWARDS

UW Representative for C.D. Howe Engineering Scholarship

2021

- Selected based on academic excellence and leadership involvement in the community

Gold Duke of Edinburgh

2020

- Accomplished with dedication to volunteerism, leadership, and community involvement

WCSSA Scholarship

2020

- Presented to a graduating student for excellent academic and athletic achievements