

SKILLS AND INTERESTS

LANGUAGES AND FRAMEWORKS: Java, C/C++, Python, JavaScript, HTML, CSS, PHP, Laravel, ReactJS, Flask, MySQL

TOOLS: Git, Jira, MS Office, MS Azure, MS PowerBI, Photoshop, PhpStorm, IntelliJ IDEA, VS Code, MySQL Workbench, XAMPP

EMPLOYMENT

HEALTH AND REHAB RESEARCH INC

Machine Learning Engineer

June 2023 - Aug. 2023

Mississauga, ON

- Developed a Python application to take in video feed and track 33 key landmarks of an individual alongside predicting 4 additional landmarks of the body in real time, which was adopted by 4 health teams.
- Created an interface for and integrated the above application with an emotion prediction model to simultaneously track an individual's movement and emotions during exercises.
- Built a neural network to utilize an individual's recorded movement and emotion data to predict emotions with an 85% accuracy to further diagnose chronic lower back pain for patients.

ROGERS COMMUNICATIONS

Network Engineer

Sept. 2022 - Dec. 2022

Brampton, ON

- Led a project to automate monthly processing and export of key-performance indicators via Python scripts, resulting in a 95% reduction of time compared to manually generate report.
- Developed a PHP web application enabling export of team-specific core data, and processing of imported data files via Python scripts for database storage, which was adopted by 15 core engineering teams.
- Wrote Groovy scripts to explore the automation of a variety of Python scripts and libraries entirely within Jira Cloud.

WATERLOO EXPERIENCE ACCELERATE PROGRAM

AI for Financial Services Project Team Member, Microsoft - Azure & AI Fundamentals

Jan. 2022 - Apr. 2022

Waterloo, ON

- Oversaw Security and Privacy procedures while part of a 5-member group tasked with planning a financial service utilizing AI under the mentorship of an RBC member.
- Designed a financial service using MS Azure Machine Learning and MS SQL Database to provide accessible and personalized investment recommendations.
- Planned a financial info Q&A bot utilizing MS Azure's QnA service trained using a knowledge base supplied with general investment info provided by financial institution advisors.

PROJECTS

BUDGET TRACKER | HTML, CSS, JAVASCRIPT, REACTJS, BOOTSTRAP

Mar. 2024 - Apr. 2024

- **Link:** [BudgetTracker](#)
- Web budget tracker with a front-end and back-end utilizing local storage to store budgets and expenses
- Real time updating charts and trackers upon adding and removing budgets and expenses, allowing easy visibility
- Implemented summaries for expenses, with smart sorting of expenses by year and month

IMAGE SEARCHER | HTML, CSS, JAVASCRIPT, FLASK, PYTHON, BOOTSTRAP

Feb. 2024 - Mar. 2024

- **Link:** [ImageSearch](#)
- Web image searcher primarily developed using Flask and Python with authentication and password hashing
- Utilized various APIs to webscrape Google, returning images and info such as dimensions and original creator
- Integrated reverse searching, letting the user provide an image link and returning images by the original creator

TODO LIST | HTML, CSS, JAVASCRIPT, FIREBASE

July 2023 - Aug. 2023

- **Link:** [ToDoList](#)
- Web Todo list with a vanilla front-end and a back-end using Firebase database to maintain Todo list items.
- Utilized event listeners for real-time control of list items and animations.
- Implemented auto-scaling interface for adaptability to the user's screen and window size.