



Projects

Goals App - React, Redux, Postman, MongoDB, Express, NodeJS

- Utilized the MERN stack to create a goal tracking app with 11 current users improving time management.
- Implemented user authentication using JSON web tokens in the backend to allow user privacy.
- Demonstrated CRUD allowing users to create, read, update and delete goals for added customization.
- Created RESTful APIs to transition goals to MongoDB to store user data.

Amazon Web Scraper - Python (pandas, BeautifulSoup, requests)

- Utilized the beautiful soup package to track pricing of targeted products for optimal purchasing time.
- Implemented an option to allow email alerts for users to ensure attainment.
- Created opportunity for historical analysis by storing product pricing.
- Incorporated flexible code design to allow use for various products.

Twitter Stock Bot - Python (pandas, numpy, tweepy), Twitter API

- Utilized the yahoo finance stock info library to filter through 100 stocks for best pricing.
- Evaluated buy and sell choices based on set strategy and open positions to gain profit.
- Used the Twitter REST API to update bot status posts.
- Added functionality to allow historical analysis using pandas.

Experience

Research Assistant | University of Waterloo Faculty of Planning, Waterloo ON Jan. 2022 – Aug. 2022

- Contributed to the development of a food and beverage advertisement assessment tool utilized in 8 cities to inform policy change.
- Conducted literature searches compiling lists of over 120 relevant sources for research papers on the current state of predatory marketing.
- Contributed to the writing of a quantitative study that has been submitted for publishing and policy recommendation to combat obesity.

Customer Service Associate | M-Health Solutions Waterloo ON Sept. 2020 – Dec. 2020

- Conducted over 200 patient interviews to generate accurate data on device satisfaction, allowing for rapid troubleshooting.
- Processed approximately 300 patient and clinic interventions daily, ensuring prompt follow-up and life saving treatment.
- Created a video-chat support action plan, which reduced device application errors by 20%, improving disease survival rate.

Skills

In order of proficiency: Python, MySQL, HTML, CSS, JavaScript, React, MongoDB

Education

University of Waterloo

Honours B.Sc. Health Studies Co-op:
Minor in Computer Science

- University of Waterloo Merit Scholarship recipient (2018).
- Deans Honours List (Sept.2018 – Apr.2023).
- Cumulative GPA 88.5%
- Major average: 89.92%.

Relevant Courses

Elementary Algorithm Design and Data Abstraction – CS 136 | Grade: 73%

- Completed over 13 assignments producing well-designed, properly formatted, documented and tested programs of a moderate size (200+ lines) that can use basic I/O.
- Utilized imperative paradigms effectively and demonstrated the use of the C memory model, including the explicit allocation and deallocation of memory.
- Demonstrated; the principles of modularization and abstraction, used elementary data structures and data type collections, analyzed the efficiency of algorithm implementations.

Imperative Programming – CS 338 | Grade: CS 87%

- Completed 7 assignments covering data definition, manipulation, and query using SQL.
- Covered topics such as transaction processing, checkpoints and recovery security, and data redundancy.
- Completed assignments to, conduct enterprise modelling using Entity-Relationship diagrams and partitioned data to mirror organizational structure.