David **Olona**

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LinkedIn   GitHub   Personal Website

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 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 – Present

- 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, HTML, CSS, JavaScript, MySQL, React, MongoDB

Education

University of Waterloo
4A Honours Health Studies: Minor in Computer Science
Graduation 2023-Apr (Expected)

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

Relevant Courses

Fundamentals of Computer Science – CS 115 | Grade: 95%

- Completed over 36 assignments covering: design, testing, documentation, recursion, lists, trees, functional and data abstraction.

Imperative Programming – CS 116 | Grade: 94%

- Created higher-order functions to improve the readability and efficiency of programs.
- Distinguished between constant, linear, quadratic, and exponential running times of algorithms.

Interests

Recent Shows
- Snowfall
- Animal Kingdom

Recent Reads
- One Piece
- No Longer Human
- How To Make Friends and Influence People