RAFEY ISLAM

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OBJECTIVE

- Gain valuable work experience in the field of software development by working for an organization that values innovation and the use of advanced technologies
- As a 2nd year student in BS Computer Science, I have taken relevant technical courses and industry certification to prepare for a challenging field placement / internship

EDUCATION

UNIVERSITY OF WESTERN ONTARIO   **London, Ontario**
B.S. in Computer Science   *Expected Graduation, May 2026*
- o **GPA:** 3.7/4.00
- o **Related Coursework:** Data Structures & Algorithms, Software Tools & System Programming, Computer Organization & Architecture, Intro to Software Engineering, Data Science, Applied Logic, Linear Algebra, Statistics

EXPERIENCE

Prosperity Networks Inc.   **Basking Ridge, New Jersey**
Software Engineering Intern   *Summer 2023*
- Developed software enabling users to input company names, parsed them, and utilized the United States Securities and Exchange Commision (SEC) financial data APIs
- Provided users with the latest financial results from quarterly (10Q) and annual (10K) financial statements, including financial ratios obtained through web scraping from Yahoo Finance
- Implemented the project in Python using the Agile framework, incorporating software engineering best practices such as code documentation, Business Requirements Documents (BRDs), application architecture diagrams, and iterative User Acceptance Testing (UAT)
- Utilized modular programming techniques, including functions, Pandas dataframes, Tkinter GUI, and Matplotlib plots in python, to offer users data visualizations, trend analysis, and an intuitive user interface

PROJECTS

IBM Data Science Professional Certificate - Coursera   **Mississauga, Ontario**
SpaceX Falcon 9 - IBM Data Science Professional Certificate   *Summer 2023*
- Applied Machine Learning/Artificial Intelligence techniques for pattern discovery and label determination in data
- Utilized Python libraries: Pandas and NumPy for data manipulation
- Implemented ML/AI algorithms using ScikitLearn and SciPy
- Followed the Cross-Industry Standard Process for Data Mining (CRISP-DM) approach for model development
- Utilized the Matplotlib library to create visualizations for effective communication of results

Chrome Web Extension   **Mississauga, Ontario**
Saved Bookmarks   *Winter 2023*
- Developed a Chrome web extension using HTML, CSS, and JavaScript
- Implemented functionality for users to input names and links, saving the data using the Chrome Local Storage API
- Enabled users to access saved bookmarks through the extension, facilitating quick navigation to specific links
- Integrated a delete button for each bookmark, providing users with the ability to manage their saved items
- Created an intuitive and user-friendly interface for efficient interaction with the extension

Web Game   **Mississauga, Ontario**
Simon Game   *Winter 2023*
- Developed a Simon Game using HTML, CSS, and JavaScript, showcasing proficiency in front-end web development
- Utilized jQuery for efficient DOM manipulation, enhancing the interactive aspects of the game
- Successfully leveraged arrays for storing and managing game-related data, highlighting organizational and problem-solving skills

CERTIFICATIONS

IBM DATA SCIENCE PROFESSIONAL CERTIFICATE – 10 COURSES   *August 2023*
AWS CLOUD PRACTITIONER   *October 2023*

SKILLS

Programming: Java, Python, C++, C, JavaScript, HTML/CSS, SQL, Jquery, React.js, Bash, Linux
Libraries: Matplotlib, Seaborne, Pandas, NumPy, Scikit-Learn, SciPy
Software Development: Agile, GitHub, AWS