

Education

Simon Fraser University

2023

- BSc in Mathematics and Computing Science

Employment

Full Stack Software Developer

StarGarden

Sept 2023 – Present

- Development of Human Resources Information Systems (HRIS) software using .NET Framework in C#, SQL, and JavaScript.
- Implemented internal API using Azure's OAuth 2.0 client credentials, ensuring secure verification across client's tenants.
- Developed PDF report solution in C# integrating SQL data, resulting in a 30% increase in data accessibility efficiency.
- Cultivated strong client relationships through direct communication, contributing to a 95% client satisfaction rating.
- Participated in support rotation to provide on-call support to clients facing high priority issues with hotfix deployments.

Software Engineer Intern

Trulioo

Jan 2023 – Aug 2023

- Implemented direct integration datasources in C#, reducing company's cost by 100%, thereby doubling profit.
- Improved API requests in C# for business verifications, increasing the accuracy of a verification match by 30%.
- Developed a new PDF report's business overview page using JavaScript and ReactJS, achieving a 25% increase in downloads compared to the previous report.
- Utilized xUnit testing framework to write unit tests, ensuring quality and reliability of software.

Software & ML Engineer Intern

Healthcare Systems R&A

Jan 2022 – Aug 2022

- Developed a mobile camera application that accurately determines the confidence level of rapid diagnostic test strips.
- Improved camera detection speed for test strips by 50% in JavaScript, enhancing mobile application responsiveness.
- Developed automated bounding box cropping with OpenCV in Python, reducing cropping time by 80%.

Software Test Developer Intern

Motorola Solutions

Jan 2021 – Aug 2021

- Programmed automated test scripts in C# for 30+ features, resulting in a 75% reduction in manual testing time.

Projects

Business Document Parser

- Leveraged GPT-4 API from OpenAI to parse vital company information from business documents, converting it into a formatted JSON response for practical utilization.
- Utilized Google Cloud DocumentAI's Optical Character Recognition (OCR) capabilities to extract text from image-based PDF documents.

Restaurant Finder

- Developed an Android application that enables users to easily access and view the health inspection ratings of restaurants located in the City of Surrey.
- Proficiently parsed health inspection data from the City of Surrey's public API, organizing over 3000 data points within every 24-hour time frame.

Huffman Tree Compression

- Implemented a Huffman Tree compression algorithm in C++ to compress/decompress large files of various formats, achieving an average compression ratio of 50%.

Technical Skills

- Languages: C#, SQL, C++, Java, C, Objective-C, Python, JavaScript
- Libraries/Frameworks: .NET, ReactJS, OpenCV, React Native, NumPY, Selenium
- Tools: Git, Sourcetree, Jira, Linux