

Jayed Rafi

Cell: +14319990053 | Email: rafijs@myumanitoba.ca

Portfolio: <https://jayedrafi.com> | Location: Winnipeg, Manitoba. Canada

Industry Experience

Software Engineer (Intern) - Aloa Co

Jun. 2022 – Spt. 2022 | Tennessee, Nashville. USA

Work with product engineering team to support platform's internal development tool. Key role was to work on the development of automation software Iris key progress indicator (version 1). This is a cloud-based system to collect project data to calculate and identify metrics and provide progress information to project managers.

PIT Web Developer – Government of Manitoba

Jun. 2021 – Present | Winnipeg, Manitoba. Canada

Support two departments in the continued development of their respective intranet & internet platforms – supporting new project creation and development of the existing project as appropriate. Involvement in creating & implementing site structure/organization recommendations and delivering technology toolset improvement.

Skills

Analytical: Software design & test, algorithm analysis & optimization, natural language processing, machine learning, statistical data analysis & visualization, embedded software development, interactive web & cloud application, digital circuit design.

Tools: C, C++, Java, JavaScript, Typescript, PHP, Assembly Language, Processing, Swing, Chat.js, D3.js, Sigma.js, HTML/CSS, Docker, AWS Lambda, SQL.

Education

Bachelor of Science, Computer Science - University of Manitoba

Jan. 2020 – Present | Winnipeg, Manitoba, Canada

Activities & Communities

CDH Team, CubeSats – UofM Space Applications & Technology Society

Jun. 2022-Present | University of Manitoba

Website Manager – UofM International Students' Organization

May. 2021-Apr.2022 | University of Manitoba

Web Developer – Science Fundamentals Foundation of Alberta

Spt. 2021-Dec.2021 | University of Alberta

Peer Mentor – University of Manitoba

Jan. 2021-Apr.2021 | University of Manitoba

Recent full projects

Iris Key Progress Indicator – Automation

A cloud platform for data collection, process and prediction for project managers to visualize large data in an organized manner. This project successfully helped Aloa Co to replace data analysts, automate manual work, and save project-processing time.

Graph Interface – Data processing and visualization

A desktop application capable of processing large data set and provide statistical textual & graphical analysis. While developing, I designed it in a modular way so that, this can be easily linked with other big projects. In addition, the graph processor uses a compression algorithm, which helps this tool to fit any value into the canvas.

Avocado – Data analytics and prediction

A retail data analytics desktop software uses processing & machine learning algorithm to give proper feedback for future sales. It is build in a modular manner just so can replace any format of dataset for future development and make it suitable for different data format.