

## Jayed Rafi

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Winnipeg, Manitoba. Canada

### Industry Experience

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**Aloa Labs** Nashville, Tennessee. USA

Software Engineer – Internship June 2022 – Present

Responsibilities require work with the engineering team to fulfill companies' internal and external demand. Automation; development of cloud based software to automate and improve project performance. Collaborate with research to use new methodologies e.g. machine learning.

**School of Computing and Information Systems, Athabasca University** Athabasca, Alberta. CA

Research Assistant - Project based June 2022 – Present

Working on the area of natural language processing (AI) and developing a supportive software (interactive & visualized dashboard for retrieving sentence centered subgraph) under supervision of Professor Dr. Maiga Chang. Research requires understanding of n-gram and development of visual research tool for the future involvement of the area.

**Government of Manitoba** Winnipeg, Manitoba. CA

PIT Web Developer - STA June 2021 - Present

Support two departments in the continued development of their respective intranet and internet platform, supporting the web team in terms of development, transition and automation. Also responsible to make and implement site structure/organization recommendations and deliver technology toolset improvement with a view to audiences served.

### Skills

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**Analytical:** Algorithm analysis, data structure, optimization, object oriented programming, statistical data analysis and data visualization, automation and machine learning, interface development (cloud & desktop), NLP & AI, digital circuit diagram.

**Language and tools:** Java, Swing, Junit, JavaScript, Node.js, C++, C, Assembly Language (LC3), HTML, CSS, Bootstrap, Processing, Linux, UNIX, CMS (SharePoint, WP).

### Education

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**University of Manitoba** Winnipeg, Manitoba. CA

Bachelor of Science, Computer Science – Specialized in Software Engineering January 2020 – Present

### Extra Curricular Experience

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**University of Manitoba International Students' Organization - Website Manager** June 2021 – April 2022

**Science FUNdamentals Foundation of Alberta - Web Developer** August 2021 – December 2021

**University of Manitoba – Peer Mentor** August 2020 – December 2020

### Recent personal projects

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**Graph Interface** – Statistical analysis tool helps to visualize and process large datasets.

**Data Visualization Software** – A multi device (web & desktop) software for data analysis and visualization using my algorithm.

### Open research and development platform

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**Megalodon Laboratory - Open Source Developer** March 2022 – Present

Created a non-profit platform to solve problems using computational methods. Most recent work involves development of internal tools and a research project involves data analysis and machine learning.