

Fatima Aja Bukar

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Education

University of Manitoba

Jan 2021 – October 2025

Bachelor of Science in Computer Science Honours

Winnipeg, MB

Relevant Coursework

- | | | | |
|------------------------|-----------------------|------------------------------|---------------------|
| • Data Structures | • Algorithms Analysis | • Human computer interaction | • Operating Systems |
| • Software Engineering | • Database Management | | • Computer Security |

Projects

My Media List | *Java, hsqldb, Android Studio*

March 2025

- I worked on making the database aspect of the project and making sure it is persistent
- The app is a tool to store any form media a person might want to journal
- I also worked on the logic of connecting the UI and the database

Plant Buddy | *Javascript, HTML, CSS*

March 2025

- Helped develop a web application that helps with plant care for a group project
- The website has a simple interface that allows easy communication of information about plants and plant care
- I worked on the to-do list page, where completion of tasks are recorded using streaks and basic CRUD is implemented

2022-2023 Top 5 EU Soccer Leagues | *Java, MsSql*

November 2023

- Developed an EU soccer leagues database with SQL for a group project
- The database has a UI front that makes it easy for looking up information, it was designed using Java
- I mostly worked on connecting the database to the front-facing UI

Colour Picker Website | *Typescript, React*

January 2023

- Created a website that allows you to pick colour, draw and upload images during a group project.
- I worked on the dynamic components of the website, such as a colour changing paintbrush based on what colour is currently selected, a palette that contains previous selections

Space Gem | *Processing*

September 2021

- Designed a simple space shooting game during a game jam using processing
- I worked on several elements like design of character and UI, and the help page

Technical Skills

Languages: Python, Java, C, HTML/CSS, JavaScript, SQL

Developer Tools: VS Code, IntelliJ, Android Studio, React

Technologies/Frameworks: Linux, GitHub

Leadership / Extracurricular

Computing Councils of Canada

September 2023 – Present

Director of Events

- Successfully organize and host events to increase our outreach and help students across Canada
- Directed communication with students through events to increase turnout and participation
- Managed a team of 5 members and ran weekly meetings to oversee progress of event plans, and feedback

Women In Computer Science

May 2022 - May 2024

Events Coordinator

University of Manitoba

- Organized multiple successful events to improve and promote community service, academics, and unity in the computer science department
- Partnered with multiple industry partners to increase the success and encourage marginalized groups in computer science
- Managed team members and organized meetings to discuss event plans and club progress

Assistant Events Coordinator

- Helped organize events to make the computer science community at the university open and welcoming
- Managed the feedback data, and marketing for events and community space
- Organized small scale events for team building amongst community members