

# OMAR TAHA

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## EDUCATION

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**Bachelor of Computer Science Major (Co-Op option)**, University of Manitoba Expected May 2025  
Relevant Coursework: Data Structure And Algorithms, OOP, Analysis of Algorithms, and Database.

## PROJECTS

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**Aurora-Waitlist-Monitor:** An automated script that helps students track their position on waiting lists and the status of the courses they are registered in for a specific semester. The script is built using **NodeJS and Puppeteer** ([Link](#))

**Know Your Major:** As part of a group course project, designed and developed a comprehensive prototype system using **HTML, CSS , and JavaScript** to help students track their degree requirements and build personalized academic schedules. The final project received a grade of A. ([Link](#))

**Work Place System:** Build a complete software system using **Java, SQL, and JDBC** that can organize the work relation between the employee and their supervisors by assigning tasks to the employee and tracking the tasks completed by the employee ([Link](#))

**COVID-19 Cases API:** Build an API using **NodeJS** that can provide live tracking for the number of COVID-19 cases by each country and globally. ([Link](#))

**My portfolio.** Build a personal portfolio using **HTML,CSS, and JavaScript** that contains all my personal projects, work experience and more information about me. ([Link](#))

**Pokemon Database:** As a part of a group project, designed and developed a comprehensive Pokemon database, using **Java, SQL, and JDBC** to create a user-friendly GUI and implement a range of complex queries displayed in tables. The project received a grade of A. [Private] ([Link](#))

## EXPERIENCE

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**Grader/Marker Computer Science course** Winter 2023  
University of Manitoba *Winnipeg, MB*

- Graded and marked Java assignments for a computer science course, using established grading criteria and providing students with detailed and constructive feedback.
- Utilized online grading tools to track and record student progress, including grades and feedback
- Participated in regular meetings with the Course Instructor to discuss grading strategies and student progress.
- Managed time effectively and met deadlines, working independently to fulfill responsibilities as a Grader.

**Logistics Analyst - Summer Term** May 2022 - August 2022  
Frontier Supply Chain *Winnipeg, MB*

- Monitored the movement of on average 200 freights per day and followed up with the couriers until confirming their delivery.
- Created spreadsheets using Microsoft Excel to analyze the status of the shipments and to calculate the rate of on-time delivery shipments.
- Developed a faster daily work routine that has increased the rate of the shipments tracked by 150% per day.
- Trained a new full-time employee in the last week of the term for the same role and provided a flowchart for the optimized routine.

**Data Entry and Data Quality Team Member** September 2021 - January 2022  
Sharedhealth Winnipeg *Winnipeg, MB*

- Accurately entered a high volume of clients' immunization consent forms (over 400 per day) into the database systems.
- Reviewed and verified the accuracy of immunization records for a high volume of clients
- Assisted with the resolution of any issues related to clients' immunization records, resulting in a 50

### **Technical Support Representative**

CanTalk Winnipeg

June 2021 - September 2021

*Winnipeg, MB*

- Managed a high volume of customer calls, typically handling more than 50 calls per day
- Used specialized knowledge to provide customers with personalized assistance
- Guided customers through the steps required to complete tasks or make reservations online
- Escalated urgent and technical issues to the development team for further resolution

## **VOLUNTEER**

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### **Online Math Tutor**

Frontier College

Winter 2022

*Winnipeg, MB*

- Volunteered as a math tutor for school students, providing online one-on-one and small group instruction
- Demonstrated strong communication and teaching skills, and developed personalized lesson plans based on the needs and goals of each student.
- Helped students improve their understanding and performance in math, through a combination of individualized instruction and practice.
- Helped students improve their understanding and performance in math, through a combination of individualized instruction and practice. Utilized online tools and resources to facilitate virtual tutoring sessions and support student learning.

### **SSA Peer Mentor**

University of Manitoba

Winter 2023

*Winnipeg, MB*

- Mentored and supported students on a monthly basis, helping them succeed academically and personally.
- Led support groups or one-on-one sessions with students, using active listening and open-ended questions to facilitate discussions and provide guidance.
- Worked with students to develop personalized action plans and goal-setting strategies, to help them achieve their academic and personal objectives.

## **SKILLS**

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**Technical Skills:** Java, C, C++, Python , JavaScript, HTML/CSS ,SQL Neo4J , NodeJS , JDBC , Processing