

Abdullah Mohammed

(647)-451-1398 • abdullahmohammed583@gmail.com • <https://github.com/Abdullah-Mohammed-OTU> • <https://www.linkedin.com/in/abdullahmohammed583>

Objective: Fourth year student looking to obtain a job after graduating.

Highlights of Qualifications:

- Proficient in programming languages, including Java, C++, and Python, JavaScript
- Experienced with operating systems including Unix-based: Windows, MacOS, and Linux (Ubuntu)
- Knowledgeable in Agile development methodology with practical application through co-op experience
- Hands-on experience with Torch for Machine Learning, Flask, FastAPI, and Springboot for web development
- Proficient in Microsoft Office Suite: Word, Excel, Projects, Teams, PowerPoint, and Outlook
- Strong communication and interpersonal skills cultivated through volunteer work and professional roles
- Effective collaborator with proven ability to work well in team projects and professional environments, including Ontario Public Service and Walmart

Education:

Bachelor of Science (Honours), Computer Science (with a minor in Mathematics) September 2021-April 2025
Ontario Tech University, Oshawa, ON

Project or Lab Experience:

Software Quality Assurance– CSCI 3060U January 2024-April 2024
Ontario Tech University

- Developed an app as part of a team project, meeting the business requirements of a fictional client, which included rigorous software development, creating test cases and test scripts for each case, code reviews, and debugging.
- Applied Agile, SCRUM, Kanban, Waterfall, and Lean frameworks in collaborative projects, leading to more effective team productivity and on-time project completion.
- Applied skills in business analysis, technical analysis, and quality assurance, including preparing and executing test cases, test plans, and test scripts

Web Application Development – CSCI 3230U January 2024 – April 2024
Ontario Tech University

- Developed a hotel management system website using Spring Boot, HTML, CSS, h2 database, XML, JSON and Thymeleaf, which effectively stored customer data, managed rooms, tracked bookings, and handled hotel services, enhancing operational efficiency and user experience
- Mastered network protocols such as TCP/IP, HTTPS, and DNS, enabling the creation of robust and secure websites by applying these protocols effectively in labs and assignments

Database Systems and Concepts – CSCI 3030U September 2023 – December 2023
Ontario Tech University

- Gained practical experience in designing and building relational databases, effectively utilizing SQL for database management and implementation.
- Developed a comprehensive understanding of database management system architectures, environments, and basic design techniques through hands-on projects.

Analysis and Design of Algorithms – CSCI 3070U September 2023-December 2023
Ontario Tech University

- Implemented algorithms such as Kruskal, Prim, Greedy, Divide and Conquer, Branch and Bound, and various graph algorithms in practical applications such as labs and course assignments
- Utilized sorting algorithms including selection sort, insertion sort, and quick sort in real-world scenarios
- Conducted algorithm analysis to optimize time and space complexity in project tasks
- Selected and applied appropriate data structures based on specific data requirements for efficient problem-solving

Software Design and Analysis – CSCI 2040U January 2023 – April 2023

Ontario Tech University

- Applied the Software Development Life Cycle (SDLC), including Agile, Waterfall, and Iterative methodologies, ensuring efficient project management and successful software delivery by effectively using these frameworks
- Acquired comprehensive knowledge of the Software Development processes such as Scrum & Kanban, enabling streamlined development and improved project outcomes by adhering to best practices throughout the lifecycle

Data Structures – CSCI 2010U

September 2022 – December 2022

Ontario Tech University

- Implemented arrays, linked lists, binary trees, heaps, binary trees, queue, stack, hash tables, and other data structures to manage and manipulate data efficiently, resulting in optimized problem-solving processes in lab assignments
- Analyzed complex problems and selected appropriate data structures such as stacks, queues, and hash tables, ensuring optimal performance and program correctness.

Work Experience

I@IT Tech Specialist Co-op

September 2024 - Present

Ontario Ministry of Public and Business Service Delivery, Toronto, ON, M7A 0B6

- Collaborated with the manager and other co-op students to migrate to Jira Cloud, ensuring team accountability and timely execution of multiple projects across Ontario Public Service.
- Diagnosed and resolved system issues, improving system reliability across various platforms
- Created PowerPoint presentations for lead managers of various ministries, effectively showcasing project progress and outlining upcoming tasks to ensure alignment on project goals

Produce Associate

June 2022 – Present

Walmart, Oshawa, ON, L1K 0Z6

- Earned 2 Blue Stars by consistently demonstrating hard work and dedication, recognized by managers through exceptional performance and reliability
- Developed team-focused skills by collaborating with co-workers, splitting tasks, and coordinating efforts to enhance customer service efficiency
- Enhanced customer service skills by engaging with customers, addressing their needs, and resolving conflicts

Extra Curriculars

Hacker

October 2023

Hack The Valley, University of Toronto Scarborough, Toronto, ON, M1C 1A4

- Developed a machine learning model to predict future Toronto temperatures using historical data, emphasizing climate change risks
- Created a website with a Flask backend and front-end using HTML and CSS to present the model's findings
- Sourced and extracted data, trained and fine-tuned models to ensure predictive accuracy
- Demonstrated strong problem-solving and analytical skills throughout the project

Hacker

January 2023

UofTHacksX, University of Toronto, Toronto, ON, M5S 1J6

- Developed a machine learning model using TensorFlow to recommend stock investments based on a 5-year dataset of S&P 500 companies' returns
- Enhanced collaboration skills by leveraging team members' strengths and delegating tasks effectively
- Worked in a cross-functional team, contributing to various aspects of the project beyond assigned roles
- Strengthened analytical and problem-solving abilities by analyzing project requirements and implementing solutions