

Mostafaa Abdelaziz

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EDUCATION

Dalhousie University | Bachelor of Computer Science

Expected Dec 2023

- GPA: 3.81/4.3 (A)
- Certified in Communication Technologies and Cyber Security

PROJECTS

Trello-like App (GitHub)

May 2022 – July 2022

React.js, Node.js, JavaScript, Spring Boot, Bootstrap, Java, HTML, CSS, MySQL, JUnit

- Collaborate with cross-functional colleagues using Scrum Methodology guidelines through frequent code reviews and continuous communication. Additionally, we used TDD to check if the application is working as expected.
- Full Stack Implementation of the well-known “Trello” using React.js enabling users to have a responsive real time interface.
- Functions when presented of the Application include Logging In, Registration, Reset Password and Log out. All whilst being authenticated by the backend (MySQL) using API's.
- Functions inside the application Include Creating Workspace, Creating Boards, Creating Tasks, Assigning Tasks and editing each one of these functions whilst being updated on the backend database (MySQL).
- Managed backlog using GitLab Boards to keep track of backlogs.

Multi-Client Chat App (Demo)

November 2022 – December 2022

Java

- Developed a Multi-Client Chat application with 3 key components: ClientHandler, Chat client, Broadcast Server.
- ChatClient: introduces new clients and sends messages to the server and broadcasts messages to all current users.
- Broadcast server: stores messages, tracks user activity such as receiving all user messages and their status.

World of Warcraft Game (Demo)

February 2021– March 2021

- Attained the highest-class performance by developing a Java-based World of Warcraft game.

EXPERIENCE

Network Computing Marker

September 2023 - Present

Dalhousie University | Halifax, NS

- Significantly contributed to the success of the Network Computing course by offering precise grading and constructive feedback, mentoring students, and collaborating with instructors to enhance course materials and assessment criteria.
- Demonstrated expertise in Network principles, facilitating accurate evaluation, while maintaining professional and clear communication with students and faculty, showcasing both technical acumen and strong interpersonal skills.
- Conducted comprehensive assessments of Java code submissions, ensuring accuracy and compliance with course requirements, highlighting proficiency in code evaluation and quality assurance.

Community Assistant Team (RA)

January 2022 - Present

Dalhousie University | Halifax, NS

- Working closely with the Residence Life Managers and other Residence Staff to provide students a safe living environment and ensuring all protocols are followed correctly.
- Responsible for over 700+ students by providing them the support needed to achieve academic success.
- Ran unique activities and events that students on-campus can participate and provide them with opportunities to network with each other.

Access Control Team (ACT)

January 2022 – April 2023

Dalhousie University | Halifax, NS

- As a member of the Access Control Team (ACT), I work collaboratively with Dalhousie Security and the Residence Life Managers to ensure that authorized access is provided to authorized personnel.
- We use the OneCard database to verify students' access using their Dalhousie Student ID Chips via RFID. This helps us maintain tight access control and ensure community safety and security.

SKILLS

Languages: Java, Python, C, C++, JavaScript, HTML/CSS, MySQL, JSON, Smalltalk, Haskell

Developer Tools: Git, GitLab, Postman, VirtualBox, IntelliJ IDE, VS Code

Libraries: Pandas, NumPy, Matplotlib, JUnit

Frameworks: Node.js, React.js, Bootstrap, Spring Boot