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

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

PROJECTS

Trello-like App — **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 — **November 2022 – December 2022**

Java
- Created a Multi-Client Chat application with 3 key components:
- Client Handler: manages clients accessing the application. It indicates to all client's which user has joined/left.
- 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.
- Used PrintWriter and BufferedReaders for efficient handling of data input/output.
- Implemented sockets to link the components together and enable the application to function as expected.

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 (CAT) — **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.
- OneCard database is used to verify student's access by using their Dalhousie Student ID Chip by RFID and cross-checked this information with our OneCard database to ensure that only authorized individuals are granted access. By meticulously managing access control procedures, we can ensure the safety and security of our community.