Yousef Hammad

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Education

Bachelor of Science in Software Engineering   Sept. 2020 - Present
University of Calgary - Calgary, Alberta
- Dean's List [Fall 2020 and Winter 2020]
- Awarded Alexander Rutherford Scholarship, Jason Lang Scholarship, University of Calgary Entrance Scholarship
- **Relevant Courses:** Principles of Software Design, Data Structures & Algorithms, Operating Systems, Database Management Systems, Software Development, Software Architecture

Skills

Languages: Java, C, C++, HTML, CSS, Python, SQL
Tools: Jira, MySQL, VSCode, Git, GitHub, Microsoft Office, Linux
Professional: Time Management, Teamwork, Problem Solving, Written and Verbal Communication

Projects

Movie Theater Ticket Reservation Application
- Developed a Java theater application that emulates the process to obtain movie tickets for registered and guest users
- Implemented a user interface which allows the user to select movies, view available seats graphically, make payments and receive tickets through JavaMail utilities
- Utilized software design patterns for creating the application and mySQL database to keep track of reserved seats and booking times

Food Bank Inventory System
- Built a Java management system that produces customized food hampers based on the user's needs and implemented a MySQL database to update inventory
- Designed application using UML diagrams and created unit tests using JUnit to optimize the system

Machine Learning CURE Project
- Developed a machine learning model using Python and Excel using statistics to optimize performance of real-life models
- Utilized python libraries such as NumPy, Pandas and Matplotlib for data visualization and analysis

Work Experience

Hunter Hub for Entrepreneurial Thinking   Sept. 2022 - Dec. 2022
Fall Intern
- Collaborated with a team to develop an innovative, sustainability-focused solution to promote clean and active transportation in Southern Alberta
- Conducted research on current transportation practices to identify opportunities for improvement
- Developed project timelines and milestones to ensure timely delivery of project objectives

Painting Contractor   May 2021 - Jan. 2022
Private
- Managed a team by establishing timelines and defining roles on a project-to-project basis to establish an organized and effective working environment
- Communicated with customers on a consistent basis to ensure satisfaction
- Navigated challenges in a fast-paced, high-quality work environment

Extracurricular

Education Where It Matters   Apr. 2018 - Sept. 2018
Project Coordinator
- Coordinated a successful campaign to collect school supplies for underprivileged children in South Sudan
- Collaborated with stakeholders from "Wings of Hope For Africa Foundation" to deliver donations