Dheeraj Kumar

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QUALIFICATIONS

Programming Languages: Produced several text-based and graphical-user-interface games in Java, C and Python

Software: Experienced with Git, GitHub, MySQL databases, Eclipse, and the Linux command line from projects

Problem Solving: Apply critical thinking skills to methodically compute math and computer science problems

Leadership: Arrange staff resources and handle emergencies as a YMCA Duty Manager to ensure smooth operations

Teamwork: Experienced in working with diverse individuals to finish projects by considering all intuitive ideas

Time Management: Balance work and classes to excel in projects, enjoy hobbies and spend time with family

EDUCATION

Bachelor of Science in Computer Science with Mathematics Minor   September 2016 to May 2021

University of Calgary

Related Courses:

- **Design and Analysis of Algorithms:** Produced algorithms using many techniques given difficult problems
- **Introduction to Software Engineering:** Learned soft and technical skills to produce high quality software
- **Principles of Operating Systems:** Used C++ and bash to understand performance measurement, concurrent programs, the management of information, memory and processor resources
- **Data Structures and Algorithms:** Programmed data structures including trees, heaps, stacks, queues and arrays while learning about time complexity of algorithms

PROJECTS

Send It On, HTML, CSS and JavaScript   March 2020 to present

- Creating a website for a start up charity connecting Canadian and African students to promote learning and help provide educational services to those in need
- Designed a front page using HTML and CSS

Alberta Health Scheduling Application, MySQL and Java   April 2020

- Created an Alberta Health application for managing appointments between health professionals and patients using the agile method Scrum
- Designed SQL queries as well as the graphical user interface

Poker, Java   December 2019

- Created Poker in a team of four to be played in a local area network using an agile approach
- Programmed the object oriented base of the game and debugged code
- Led the group by arranging meetings and assigning tasks according to preference

Maze Game, C   December 2018
- Created a maze game using a raspberry pi to be played by a Nintendo Controller
- Used loops, conditional statements, variables, arrays and functions
- Searched for additional resources necessary to overcome obstacles and debug code

Star Trek, Python   December 2016
- Produced a text based game of Star Trek in a demanding time period
- Used loops, conditional statements, variables, arrays and functions

WORK EXPERIENCE

Duty Manager, YMCA   November 2018 to present
- Respond to facility emergencies, first aid requests, accidents and theft to maintain security and safety
- Work in a team environment to provide excellent service; provide support to busy areas, tours, set-up of program areas and anything required to ensure smooth operation of the facility

Cashier, Bed Bath and Beyond   May 2016 to August 2017
- Maintained customer focus in a high-paced environment to optimize customer satisfaction
- Stayed proactive and flexible to meet unexpected business needs

Math Tutor, Freelance   March 2017 to June 2017
- Encouraged student improvement and communicated progress to parents

Cashier, The Calgary Stampede   July 2016
- Maintained customer focus in a high-paced environment to provide relevant support
- Monitored the premises to alert other staff of any suspicious or dangerous activity

Telemarketer, College Pro Painters   January 2016 to April 2016
- Developed strong connections with customers to build returning client base
- Gathered feedback from customers for company improvement

VOLUNTEER EXPERIENCE

TELUS Spark, Take It Apart   June 2014 to August 2014
- Removed and organized all hazardous materials from technology
- Assessed customer needs to recommend the most suitable course of action

TELUS Spark, Child Care   June 2012 to August 2012
- Created a fun and safe environment for children in their classrooms to encourage learning

INTERESTS

Basketball: Maintain physical wellbeing and health while interacting with the local community

Socializing: Dedicate time to build interpersonal relationships by empathizing and caring for others

Traveling: Explore new environments to experience new cultures and meet different people