Jasdeep Gahunia

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EDUCATION

Ryerson University, Toronto, ON   September 2019 – April 2024

Bachelor of Engineering, Computer Engineering Co-op w/ Specialization in Software Engineering

SKILLS

- **Languages:** Python, Java, C, HTML and CSS
- **Other Tools/Technologies:** PowerPoint, Excel, Git, SQL, Oracle Database, MATLAB, Windows, Unix

SUMMARY OF QUALIFICATIONS

- **Computer Enthusiast:** Strong interest in latest PC hardware. Built and tested several personal computers and mining rigs with latest high-end components
- **Excellent system knowledge** of discrete GPUs, CPUs, memory, PCIe, and computer architecture
- **Creative thinker** with excellent problem-solving skills developed from previous position as a technical help desk agent
- **Self-Motivated** with a desire to learn and knowledge of PowerPoint and Excel
- **Strong Soft Skills:** Excellent organization, time management and communication skills gained from previous experience
- **Attention to Detail:** Strong work ethic with the goal of producing quality results for a company

WORK EXPERIENCE

Caledon Tents, Caledon, ON   July 2019 – Aug 2021

Technical Help Desk Agent

- Implemented a booking system that improved organization and had a significant impact on workflow
- Troubleshooted any technical issues of co-workers; inquiries about the booking system, issues with Windows or MacOS computers, basic network problems
- Performed software updates and routine maintenance on company devices

PROJECTS

Personal Mining Rig

- Assembled and configured a 3 GPU rig with an Intel Core i3-9100, Z390 motherboard, custom open-air frame, and PCIe risers
- **Overclocked** and **tested** each GPU to ensure **low power usage**, **stability**, and optimal hash rate
- Configured BIOS and **PCIe** settings to Gen 2 speeds on PCIe x1 slots with bandwidth of 500 MB/s each which allows for up to 8 GPUs to be added
- Setup and maintain **Linux based**, mining optimized, Hive OS with experience in **Linux terminal**, **SSH**, and viewing **error logs**

Twitter Bot (@jasdeepgahunbot)

- Created a script in **Python** to respond to any tweet with "Jasdeep Gahunia" in its contents
- Sorted through all public tweets on twitter as a sequence of data using StreamListener
- Analyzed sorted tweets to ensure fulfillment of requirements and to carry out given tasks; Retweet, Like, Reply
- Applied **Twitter** and **Tweepy APIs** to allow for bot to interact and search through all public tweets on Twitter

Car Rental SQL Database

- Utilized SQL and Oracle Database to create a Car Rental Database Management System
- **Reduced redundancy** and avoided update, insertion, and deletion anomalies using **database normalization techniques**
- Utilized **Unix Shell Scripting** to drop, create and populate tables and execute **advanced queries**