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M5G2R2

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SUMMARY

Data Analyst and Engineer in Training. I enjoy developing and implementing process improvement activities, as well as making well informed decisions based on relevant and accurate data. I'm a responsible and accountable team player with a can-do attitude, ready to challenge myself in fast-paced environments and build on my skills

SKILLS

DESIGN TOOLS:

- PowerBI
- Tableau
- SolidWorks
- AutoCAD
- PSPICE (Circuit Design)
- ANSYS Workbench
- Minitab

CODING:

- Python
- JavaScript
- SQL/MongoDB
- ScikitLearn
- VBA
- HTML/CSS
- MATLAB

OTHERS:

- Team work and coordination
 - Written and verbal communication
 - Facilitate decision making
 - Bilingual in French
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EDUCATION

Continuing Studies Data Analytics & Visualization Certificate

University of Toronto – Graduated July 2019

Bachelor of Applied Science and Engineering

University of Toronto - Graduated June 2018

Department of Mechanical and Industrial Engineering with a minor in Business

DATA ANALYTICS PROJECTS

Toronto Parking Tickets Website/App, Python, JSON, SQL, Scikit Learn, MongoDB

April 2019 - Ongoing

- Extracted, cleaned and loaded City of Toronto parking ticket data for the year 2018 into a SQL database
- Built a heat-map highlighting parking fine distribution in the city of Toronto
- Filtered and displayed data based on user input, and generated relevant analysis
- Develop a Machine Learning model that would predict the city's revenue and the most troublesome areas based on historical data
- Presented website to industry peers at the University's Industry Demo-Day event

Nest Steps:

- Compare fine counts with parking capacity to avoid overcrowding and suggest other parking options for drivers
- Analyze officer routes with ticket data to help manage resources more effectively and suggest improved routes
- Research Green P's new parking payment app and the potential impact it has on the number and types of fines issued
- Match parking rates at different locations with the number of fine counts, and identify any potential trends in data

Drug Side Effect App, Python

Team Member

April 2019

- Developed basic code to return a list of non-compatible side-effects based on drug active ingredients and lifestyle data
- Future steps include creating a user interface, acquiring more drug data from various nations and deploying as fully functional application

Extract Transform Load (ETL) Project, Python, SQL

March 2019

- Extracted Parking Ticket data posted by the City of Toronto for the year 2015 and a list of all Green P Parking locations
- Transformed and cleaned both datasets to have matching addresses
- Merged both datasets into a single Pandas DataFrame
- Loaded the new data into a SQL database for easy querying and further analysis in further phases of the project

Personal Website, JavaScript, HTML, CSS

March 2019

- Built my own personal website using a template created by my instructor
 - Modified some functionality and layout aspects of the template using a combination JavaScript and CSS
 - Uploaded relevant files such as my resume and pictures to GitHub
 - Deployed “website” on GitHub pages
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ENGINEERING EXPERIENCE – REFCO METALS (July 2016 – July 2017)

Build Request for Service (RFS) Excel Database

Team Member

- Migrated paper based RFS system into an Excel worksheet
- Implemented conditionals to minimize user input errors
- Co-ordinated with multiple departments to gain access to all required data
- Set up back-end macros to generate daily and weekly reports to be sent to relevant department managers

Set new min/max spare tools levels

Team Member

- Analyze tool usage data
- Compile list of potential suppliers with relevant life cycle data
- Proposed new factory tool suppliers with appropriate min/max levels to maintain

Optimizing Production Cell Layout

Team Member

- Reduce production cycle times to increase output by 30% and meet quotas
 - Reduced number of operators required from 10 to 7, freeing manpower
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OTHER EXPERIENCE

Math & Physics Tutor, Academy for Mathematics and English Tutoring

October 2018 – December 2018

- Tutored up to 4 students an hour
- Tutored students of various ages on an array of topics in math and physics
- Kept track of student attendance and academic progress