2209, 761 Bay St, Toronto, ON  **Christopher Habib** 416-709-1535

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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 |  |

# 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

# 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

# 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