***PERSONAL/CAREER DEVELOPMENT***

**Kijiji Apartments Scraper**

* Used python and the *Beautiful Soup & Folium* libraries, to scrape Kijiji data to map apartments
* Program took user data, search location and search distance, to query matching results
* A .csv report was created, along with a Web Map that showed search location and search results
* Pop-ups were added to the map, containing housing ad information such as the link, pictures, and other meta-data

**THE ODIN PROJECT, Web Development**

* Web development 101 – Completed
  + Command Line Basic
  + Git
  + HTML & CSS
  + JavaScript Basics
  + Ruby Basics
  + Ruby on Rails Basics
  + *Built functional “Etcha-Sketch” for web.*
* Ruby Programming – *In Progress*
  + Blocks, Procs, & Lambdas
  + Modules & Mixins
  + Object Oriented Programming

**TDWI, Data Analytics**

* Intro to Python for Data Analysis – Completed
  + Loops, while loops, if/else statements
  + Functions
  + Ready/Write files
  + Pandas and loading data from .csv and MySQL/PostgreSQL databases

**CODE ACADEMY**

* Learn Ruby – Course Completed (2019)
  + Control Flow
  + Loops
  + Arrays & Hashes
  + Blocks & Sorting

***SCRIPTS***

**RECREATIONAL FIELDS CLASSIFICATION – *TASK0145191***

* Wrote a script to cross-reference list of 361 rec fields given by business unit with list of officially named fields
* Read data from .csv
* Performed initial data cleanup using regex and substitution to implement defined naming conventions
* Defined an acceptable confidence score and processed data using 6 different methods of approximate string matching based on the*Levenshtein distance computing alogithim*
* Wrote results to .csv
* 297/361 fields correctly identified, 82%
* Quickly able to sort through unmatched results to do manual editing and compile a list of 5-10 fields with missing match

**DISPOSED PARK ASSET IDENTIFICATION & UPDATING**

* Identifies disposed Park\_Rec assets and updates Rec\_Ids accordingly, removes point if no longer required
* Generates report of data processed
* Created Script Tool for ease and shareability between users
* Automates a weekly task assigned by the business unit

**Park Assets have Invalid Rec\_ID (0 or null)**

* Identifies which records in Park\_outdoor\_poly have invalid Rec\_IDs
* Checks with Park\_rec\_feature for appropaite Rec\_ID
* Creates a list of all Park\_outdoor\_polys with no corresponding Park\_rec\_feature

***Esri APPLICATIONS***

**CURBSIDE GIVEAWAY**

* Components
  + Story map
  + Web Map
  + Web app
  + Survey123
* Description
  + Refreshed an older app with an updated look and feel.
  + Implemented a Survey123 form for easier user submissions
  + Implemented Arcade Expressions to feature dynamic symbology for added points
  + Provided a dynamic link in point pop-ups using attribute information and URL parameters
  + Created a method for users to edit data in a Survey123 form by integrating targeted attribute data as URL parameters to create custom links
  + Setup automated email notifications with *Microsoft Flow* and *Integromat* to send completed Survey123 information

**POINT PLEASANT**

* Components
  + Story Map Series
  + Story Map Tour
* Description
  + *Created an interactive and informative application to provide the public with Point Pleasant Trail information and a mobile-friendly guided auditory tour*
  + Used knowledge of html, JavaScript, and story map actions to implement responsive buttons for showing labelled trails or bike routes within the park
  + Used arcade expressions to link trail ids to trail names for labels and pop-up information
  + Used knowledge of html to embed supplementary audio for historic locations in the Park.

**Food Map App**

**Daily Workflow**

* Work with related tables