PATRICK HUBBELL

Data Analyst | Greater Seattle Area | (425)-551-0914 | pchubbell@yahoo.com
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patrick-hubbell.github.io/New-Portfolio/

SKILLS:

Languages - Python, SQL, Scala
Environments - Jupyter Notebook, Atom, Visual Studio Code
Libraries - SciKit-Learn, Selenium, Pandas, Numpy, Scipy, BeautifulSoup
Visual Libraries/Programs - Matplotlib, Seaborn, Tableau

DATA PROJECTS:

One Neat Project *March 2020*

Python, BeautifulSoup, Selenium, Cosine-Similarity
This project is a Recommendation System for Whiskey. Used Selenium and BeautifulSoup to gather data from four different whiskey review sites. Applied Cosine-Similarity to create a matrix of how similar one review is to another. Created a function that when given a name will return closely related brands.

Web Scrape with NLP from Reddit *February 2020*

Python, BeautifulSoup, API, NLP
Using BeautifulSoup and Reddit's Api, pulled 400 posts each from the Erotic Stories subreddit and the Literature Writing subreddit. Used the posts and SciKit Learn's Logistic Regression to discern the difference between the erotic writing and all other types of writing. My findings led to a strong recommendation that Amazon update restriction parameters of their parental controls, in order to stop underaged children from accessing free books that contain adult content.

Skagit Valley Flooding *February 2020*

Python, Pandas, ARIMA Datetime Modeling
The goal of the project is to give citizens in the area surrounding the skagit river between Mount Vernon and Concrete a single site source for all of their flood information to help with evacuation. Used BeautifulSoup to gather information and Time-Series Analysis and ARIMA modeling for predictions that could improve the lives of many people, by predicting whether or not the river may flood.

Profiting in Ames, Iowa *January 2020*

Python, Pandas, Numpy, Linear Regression Modeling
Explored and cleaned a data set of over 2000 house features and prices from Ames, Iowa. Using SciKit-Learn created a regression model that would predict the price of houses based on certain features. Made recommendations to an audience of developers and house flippers to improve target features to gain more monetary value out of the house once it's sold.

EDUCATION:

General Assembly - Data Science Immersive - Seattle, WA *December 2019 - March 2020*

- 12 Week immersive program that teaches and strengthens Data Science skills
- 480+ hours in class learning and 240+ hours individual learning and project building
- 20+ take home Lab assignments and 5 Projects

Everett Community College - Computer Science - Everett, WA *March 2017 - September 2019*

- Completed most pre-work computer science degree pre-work courses

EXPERIENCE:

Data Analyst - Camano Island Fire Department *February 2020*

Contracted by the Camano Island Fire Chief and worked in a team of 5 analysts to determine fire department call densities.
- Created a python program that reviews an excel file of call times, analyzes the call times, and returns a new excel file of hourly times with a number of calls within each hour.
- Program enabled Fire Chief to determine times with highest call densities to facilitate adequate staffing.

AMT Medical- Shop Technician - Monroe, WA *May 2017 - August 2019*

A company that makes bone plates and bone screws used for surgical purposes.
- Visually inspected assembly line parts, using precision and accuracy to spot minuscule flaws.
- Oversaw the data manipulation of the material logs to ensure they stayed updated.
- Expedited assembly line processes to maintain a profitable workflow.