Bryan Au

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Skills

Languages: Python, SQL, C, HTML/CSS
Frameworks & Libraries: Pandas, Tensorflow, Matplotlib, Seaborn, Scikitlearn, Scrapy
Technologies: Jupyter Notebook, Git, Bash, Excel,

Projects

Simplilearn Tutorials   ML Model Tutorials
Technologies: Jupyter Notebook, SKlearn, Matplotlib, Seaborn, Numpy, Pandas   *Jan. 2018*
- Series of four different machine learning models using the different technologies
- Text classification ML model that classifies emails into 20 different topics using Naive Bayes
- Linear Regression model that predicts an individuals salary based on their experience
- Logistic Regression model that predicts whether an individual will make a purchase from ads on social networks
- Naive Bayes ML model that predicts whether or not an individual will purchase a product based on discounts, and free delivery

SQL Scavenger Hunt   SQL Tutorial
Technologies: Python, Google BigQuery, SQL   *Mar. 2018*
- Learning how to implement SQL using Google BigQuery
- Connecting Google's data using SQL calls into a python environment

Kaggle Titanic Data Set   Machine Learning
Technologies: VSCode, Python, Pandas, Seaborn, SKLearn   *Feb. 2018*
- First attempt at tackling a Kaggle competition
- Used MatplotLib and Seaborn for data visualization to identify trends
- Used a Random Forest Decision Tree algorithm as the training model

Data Science Jupyter Textbook   Data Science Textbook
Technologies: Jupyter Notebook, Python, Pandas, Matplotlib   *Feb. 2018*
- Easy to understand textbook created for beginner data scientists to start coding in order to get into the field
- Chapters will include sections for most commonly used functions in Pandas and most commonly used visualization techniques for different types of data
- Examples, Practice problems, Solutions and mid - section exercises are to be implemented as well

Snakes and Ladders   Python Game
Technologies: VSCode, Python OOP, PyQt5   *Jun. 2017*
- Text based python game where all python code is self taught
- Support for two to four players
- Will soon implement a GUI using PyQt5

Education

University of Waterloo   Waterloo, ON
Candidate for BMath Statistics   *Sep. 2017 - May. 2021*

Interests

Personal: Basketball, Volleyball, eSports, Karaoke, Bouldering, Music, Poker, Photography,
Professional: Data Science, Data Visualizations, Internet of Things, Web Development, Game Development