

Tiffannie M. Mac Donald

ASPIRING DATA SCIENTIST

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"Be the change that you wish to see in the world."

Education

Brigham Young University-Hawaii

B.S. IN COMPUTER SCIENCE

Laie, Hawaii

Sept. 2013 - Apr. 2018

- Minors: Information Technology, Information Systems
- Final GPA: 3.8

Syracuse University

PURSUING MASTERS IN APPLIED DATA SCIENCE

Syracuse, New York

July 2019 - March 2021

- Projected Graduation: March 2021

Recent Projects

UFO Sighting Analysis and Prediction

Graduate Project

BIG DATA ANALYTICS COURSE

- Combined UFO sighting, airport, weather, state demographic, and movie release data for analysis of possible factors contributing to UFO sightings
- Tested and trained various models like Logistic Regression, Random Forest Classifier, XGBoost, Tensorflow Sequential Model (Neural Network), K-Nearest-Neighbors to predict a UFO sighting and what the most significant features of a sighting contribute to the event occurring.

News Article Classification

Graduate Project

ADVANCED TEXT MINING COURSE

- To get a sense for the natural grouping of the articles, unsupervised learning was utilized. In this research, k-means clustering was used to split the data into clusters.
- To predict the topic of each article, train & test splits of the labeled corpora were created. 429 articles about current events, sports, entertainment, medicine, etc. were created. Out of all the models tested to predict the subject of an article, the Multinomial Naive Bayes was best suited for the task and predicted with an accuracy of 93%.

Experience

Northwestern Mutual Insurance

Milwaukee, Wisconsin

ASSOCIATE DEVELOPER FOR INFOSYS

Oct. 2018 - Jul. 2020

- Worked as the on-shore contact and a developer in Field Management and Compensation on Alpha, a Java full-stack team
- Collaborated with business partners at Northwestern Mutual to create and update systems according to business requirements

Skills

TECHNICAL & NON-TECHNICAL SKILLS

- | | | |
|----------|-----------------------------------|--|
| • Python | • NumPy | • Machine Learning |
| • Java | • APIs | • Text Mining |
| • SQL | • Git and Version Control | • Familiar with AWS Technologies |
| • R | • Data Cleaning and Visualization | • Proficient with Microsoft Office |
| • Pandas | • Command Line | • Fluent in Spanish (written & spoken) |