

LUKE LAJOIE

DATA SCIENTIST

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SKILLS

DATA VISUALIZATION: Matplotlib, Seaborn, Plotly

PYTHON: Numpy, Pandas, Scikit-Learn, NLTK

SUPERVISED MACHINE LEARNING: Linear Regression, Logistic Regression, K-Nearest Neighbors, Naive Bayes, Decision Trees, Random Forest, Support Vector Machines

WEB SCRAPING: BeautifulSoup, Selenium

DATABASES: SQL, Postgres, MongoDB

UNSUPERVISED LEARNING: PCA, SVD, K-Means Clustering, Recommenders

NLP: Text Preprocessing, Topic Modeling, Text Similarity Measures

EXPERIENCE

Metis, Data Scientist, San Jose, CA

Mar. 2020 - June 2020

- Metis is an ACCET accredited 12-week immersive data science bootcamp focused on project oriented learning
- The core curriculum is centered around Python, statistics, supervised and unsupervised machine learning, exploratory data analysis, databases, and visualization techniques
- Completed four self-designed data science projects from conception to presentation including data collection and processing, exploratory data analysis, modeling, and visualizations

Projects

Modeling Funding of Kickstarter Tabletop Games

- Scraped and processed data from Kickstarter website
- Built and compared regression models and found features relevant to funding

Classification of Objects from the Sloan Digital Sky Survey (SDSS)

- Queried SDSS online DB to gather required data
- Processed data and performed feature engineering
- Built and compared multi-class classification models including Naive Bayes, SVM, logistic regression, KNN, decision trees and random forest

Board Game Recommender

- Scraped and processed data from Boardgamegeek.com website
- Built and compared Natural Language Processing models including LSA and NMF
- Used models to build a board game recommender and implemented a flask app

Human Protein Classification

- Acquired and processed confocal microscopy images
- Built and compared random forest and convolutional neural network models for classification of human proteins in the images

8x8 Inc, Network Operations Center Engineer, San Jose, CA

Feb. 2009 - Mar. 2020

- Monitored and maintained services and hardware
- Collaborated with technical teams in order to reduce downtime and increase reliability of services
- Tracked and resolved customer and corporate issues and escalations
- Assisted with implementation of new procedures as the company grew from servicing small domestic customers to large international customers

EDUCATION

San Jose State University

2013 - 2016

M.S. Bioinformatics 2016