

ANDREW WONG

DATA SCIENTIST

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🔗 Andrewjw91

Skills

PROGRAMMING LANGUAGES

Python

SQL

HTML/CSS

MACHINE LEARNING

Generalized Linear Models

Random Forest

Gradient Boosting

Natural Language Processing

Predictive Models

VISUALIZATIONS

Tableau

Seaborn

Matplotlib

Excel/PowerPoint

LIBRARIES

Pandas

Scikit-learn

Numpy

nlTK

beautifulsoup/selenium

PySpark

DATABASES

Postgresql

MongoDB

SQLite DB Browser

Experience

Metis

Data Science/Engineering

Completed Metis's 12 week data science and engineering bootcamp focused on Python programming, machine learning, statistical modeling, data visualization, project design, and communication. See project section below.

San Francisco, CA

Mar. 2021 to June 2021

SynapseFi

Customer Success - Compliance Specialist

- Served as the dedicated POC for SynapseFi's partner bank and managed compliance operations that included Federal complaints, Letter of Indemnity (LOI) requests, fraudulent activity, and compromised accounts; resolved escalated issues in collaboration with Engineering, Compliance, and Legal Teams
- Designed and deployed streamlined workflows for Client to correctly process Reg E disputes and avoid penalties

Spearheaded meetings with interchange card processor to create an improved process for Chargeback Disputes

San Francisco, CA

Oct. 2019 to July 2020

Identiv, Inc.

3VR Technical Support Engineer Tier 2

- Technical issue resolution for 3VR Video Intelligence Platform product
- Error log review, bug reporting and testing for Engineering QA/Dev Team JIRA tickets
- Updated Partner Portal, support documentation

San Francisco, CA

Oct. 2016 to Oct. 2019

Projects

NLP: Topic Modeling for Amazon Video Game Reviews

- Built an NLP topic model using nltk, CountVectorizer, and Non-Negative Matrix Factorization (NMF)
- Built Streamlit Web App to visualize positive/negative review topic insights for select game titles

Classification of Spotify Song Genres

- Built classification models using KNN, Random Forest, and XGBoost to predict song genres
- Determined top sonic qualities determinant of each song genre
- Achieved a model accuracy of 92%

Big Data Processing Pipeline for YouTube Video Data

- Engineered end-to-end data storage and processing pipeline for dataset of 500,000+ Trending YouTube Videos, using SQLite DB Browser, and Google Cloud Platform
- Built Streamlit Web App to visualize Trending Video statistics by region, date, category, and top channels

NBA Player Salary Predictor

- Web Scraped past 10 years of NBA Season data using BeautifulSoup
- Modeled Player data using Linear and Polynomial Regression, Ridge Regression, and Lasso Cross Validation
- R^2 value of 0.682

Top NYC Subway Stations for Rental Scooter Deployment

- Analyzed NYC MTA subway data to determine the stations with highest exit traffic in each borough
- Tools used: Python, SQL, Pandas, Matplotlib, seaborn

Education

Santa Clara University

Bachelor of Science (BS) - Psychology 2016