

SKILLS

PROGRAMMING LANGUAGES: Python, SQL

MACHINE LEARNING: Linear Regression, Naive Bayes, Logistic Regression, Decision Tree, Random Forest, K-means Clustering, K-Nearest Neighbors, Non-negative matrix factorization, Latent Dirichlet Allocation

VISUALIZATION: Matplotlib, Seaborn, Tableau, Streamlit, PyLDAvis

LIBRARIES: Pandas, Numpy, Scikit-learn, BeautifulSoup, Selenium, Scrapy, Mixtend, Nltk, TextBlob, Gensim

EXPERIENCE

Metis, Data Scientist

Jan. 2021 - Current

Completed a twelve week intensive bootcamp centered on a end-to-end project-based curriculum around data collection, engineering, exploratory analysis, modeling, visualization, and presentation.

Funko POP! Price Predictor:

- Predicted the current estimated value of collectible Funko POP! figures.
- Scraped over 11,000 individual pages from Pop Price Guide to obtain figure details.
- Developed a multivariate linear regression model.
- In addition to extremely small productions of less than 250, conventions and company mascot figures contributed highest valued predictions.

Austin Animal Center Cat Adoption Predictor:

- Predicted whether cats taken in at the Austin Animal Center would be adopted or receive an alternative outcome.
- Joined Center's Intakes and Outcomes tables and selected the 50,000 cats present to evaluate.
- Applied K-Nearest Neighbors, Naive Bayes, Logistic Regression, and Random Forest models.
- Noted that in addition to the cat's physical characteristics and age, strays and seasonality contributed to adoption classification.

The Jordan Harbinger Show Text Analysis:

- Identified topics and performed sentiment analysis using natural language processing of The Jordan Harbinger Show and Art of Charm podcasts.
- Analyzed text transcripts of over 500 hour-long podcast episodes
- Separated the episodes into five topic categories using Latent Dirichlet Allocation and evaluated positivity and objectivity of each episode.
- Discovered that the proportion of topics changed when the host changed podcast shows.

DRT Strategies, Inc., Senior Associate, Silver Spring, MD

Feb. 2012 - Dec. 2020

Food and Drug Administration, Center for Drug Evaluation and Research

Project Management Support

- Coordinated the compiling and publishing of annual and quarterly status and metrics reports to the public.
- Managed communications and recurring meetings for internal, foreign, and Industry stakeholders.
- Built and maintained SharePoint document repository for internal, data standard working groups.
- Performed quality control on project deliverables to ensure items met statutory requirements and client satisfaction.
- Implemented quality assurance procedures and processes.

Associate II, Washington, D.C.

June 2011 - Feb. 2012

Navigant Consulting – Investment Bank (Confidential)

Audit Reviewer

- Evaluated mortgages, promissory notes, and court documents to answer ten to hundred question compliance tests.
- Identified as first point of contact for guidance on procedures, regulations, and other knowledge areas.
- Led testing teams ranging from five to twenty members to achieve targets of sixty to eighty complete audits per day.
- Created responses and action plans to client and stakeholder inquiries as subject matter expert in varying audit topics.
- Developed knowledge in judicial/non-judicial requirements, bankruptcy, and loss mitigation processes.
- Generated documentation for the purposes of audit plan changes and creating learning materials for new auditors.

Global Computer Enterprises, Inc., Financial Management Analyst II, Reston, VA

Aug. 2010 - June 2011

- Led Travel component team of nine members on help desk of Dept. of Labor's financial management system.
- Queried SQL database to identify missing information and provide answers to management.
- Resolved user issues by phone, e-mail, and in-person.
- Investigated unique errors and identified potential patch solutions, ending a month-long hold on user reimbursements.
- Created test plans and executed tests for software fixes and updates.

EDUCATION

University of Maryland, Robert H. Smith School of Business

2016

Master of Business Administration

GPA: 3.8, GMAT: 700

University of Virginia

2010

B.A. Economics

CERTIFICATIONS

Amazon Web Services (AWS) Certified Cloud Practitioner

Aug. 2020 - Aug. 2023

Georgetown University School of Continuing Studies, Certificate in Data Science

Aug. 2019 - Dec. 2019

Project Management Professional (PMP)

June 2016 - June 2022