

JEREMY GRACE

Inquisitive, applied research professional. Data Scientist with a reputation for effectively solving complex data problems - in the areas of development, operations, and business intelligence. Articulate communicator with client-facing and cross-functional team experience. Building expertise in the areas of deep learning, artificial intelligence, and scalability.

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Skills

CONCENTRATIONS

Artificial Intelligence
Machine Learning
Deep Learning
Natural Language Processing
Bayesian Statistics
Localization
Computer Vision

LANGUAGES

Python
SQL
C++
Scala
JavaScript

DATA ANALYSIS

NumPy
SciPy
Pandas
Statsmodels
NLTK
Gensim

DATA VISUALIZATION

Matplotlib
Seaborn
Bokeh
Plotly

MACHINE LEARNING

Scikit-learn
TensorFlow
Keras
OpenCV

DATA PIPELINE ARCHITECTURE

Hadoop
Apache Spark
Apache Parquet
Apache Kafka
RDBMS
MongoDB
AWS
Flask
MapReduce

Education

University of New Haven
M.Sc. Data Science 2017
Tagliatela College of Engineering
San Francisco, CA

Murray State University
B.S. Sociology 2009
Minor Organizational Communication
Murray, KY

University of California, San Diego
Certificate Big Data Specialization 2016
Coursera
MOOC program

Employment

SILICON VALLEY BANK

Data Scientist Intern

San Francisco, CA
2017 to Current

- Constructing a Decision Engine pipeline for assessing credit card eligibility, underwriting, and portfolio management for Early Stage companies
- Built a reporting system for CRM and transaction data to derive trends & inform future lending decisions and client reward programs
- Implemented a K-modes algorithm to generate credit card transaction clusters that provided incentives to establish reward services and programs in partnership with select merchants

ICIM CORPORATION

Network Operations Manager

Louisville, KY
2014 to 2015

- Spearheaded data analytics and reporting for 2 departments, infrastructure, and carrier services
- Audited 3 separate divisions of the company which resulted in an annual cost savings of over \$15K
- Created and maintained an internal database that more accurately tracked and interpreted previously incoherent carrier data pertaining to client metrics
- Managed projects from company-wide asset tagging to new infrastructure installs for Tier-2 data centers

PRIMA LLC

Senior Account Manager

Louisville, KY
2011 to 2014

- Aggregated & synthesized data from 4 analytic solutions that improved customer experience for 3 e-commerce sites
- Created digital marketing reports that directly informed strategic advertising decisions
- Designed custom visualizations and gathered market research that aided the Executive team in understanding key customer demographics for 3 separate brands
- Collaborated with marketing leads to revamp online surveys and email marketing efforts
- Developed a backend, single-line coding system which reduced the customer follow-up time from between 60-72 hours to within 12-24 hours

Projects

2016 to 2016

PCA and Statistical analysis of Aging, Dementia & Traumatic Brain Injury data

Python, NumPy, SciPy, Pandas, SQL, Machine Learning: Scikit-learn, Matplotlib, AWS

- Implemented Principal component analysis on a highly-dimensional data set to determine the "main influencer" features utilized to diagnose a patient's true condition

2016 to Current

Flickbot: A Slack Bot Recommender System for Movie Trailers

Python, SQL, APIs: YouTube, THE MOVIE DB, IMDbPY, Slack, AWS: EC2, S3, PostgreSQL, Redshift, Spark, Parquet

- Generates a personalized experience for the user by collecting preferences to retrieve, filter, and display appropriate movies trailers: Slack bot features include Rule-based and Collaborative Filtering

2017 to 2017

Modeling Trends in Credit Card Data with K-modes clustering algorithm

Python, NumPy, SciPy, Pandas, SQL, Machine Learning: kmodes, NLP, Matplotlib, Seaborn, Bokeh

- Utilized the K-modes algorithm in Python to merge and generate credit card transaction clusters from their Customer Relationship Management (CRM) database and historical transaction data

2017 to Current

GoPiGo robot car: Autopilot

Raspberry Pi, Python, C++, OpenCV, Computer Vision, SSH, Neural Networks, TensorFlow, Keras, Robotics, Motion Sensors

- Configuring a Dexter Industries GoPiGo to perform autonomous driving tasks given inputs from Raspberry Pi camera and ultrasonic sensors – with Python, OpenCV, and TensorFlow/Keras

Awards

College of Business, Department of Organizational Communication · Outstanding Senior Research Paper 2009

Boy Scouts of America · Eagle Scout 2003