JAMES EUBANKS
DATA SCIENTIST

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Professional Experience

Workforce Logiq
Mar 2018 - Present
Enterprise Data Architect/Scientist

- Developed the company's Machine Learning/Artificial Intelligence roadmap and built Epics, Features, and User Stories for the development of each module.
- Served on the Data Governance committee and oversaw aspects of the Data Quality initiative.
- Architected and developed API driven application for extracting data from multiple sources then exporting the data directly from the browser or on a scheduled cadence via email or SFTP.
    - Ensured each user was able to access and extract only the data the user was permitted to see based on the user's permission set inherited from the source application.
    - Integrated a React.js front end with a Flask backend by using Docker containers and compose.
- Lead the efforts in product selection of a replacement Business Intelligence and Analytics software/platform for the enterprise.
    - Assisted the Data Engineering team in evaluating the ETL capabilities of the BI software and evaluated the required Data Warehouse efforts to convert to the new software.
    - Worked directly with the vendor to implement and build out production environments in Azure to host the chosen application.
    - Trained the Business Intelligence team on the selected software.
    - Established procedures for production releases of dashboards and data sources.

Business/Data Analyst

- Developed a new scoring model and program to evaluate vendor performance.
    - Former model was a macro enabled Excel sheet which was approaching 60 MB in size.
    - Built the new model in Python and established a sqlite database to house historical data.
    - Improved processing time by well over an hour for each run.
- Consolidated and analyzed monthly, quarterly, and yearly data to provide the client with insight into all of their external labor activity.
- Developed SQL scripts for ad hoc financial reporting.

Interactive Communications (Incomm)
Apr 2015 - Mar 2016
Network Optimization Analyst

- Developed a supervised machine learning model to estimate approximate changes in volume and margins.
    - Cross validated results from SVM, Logistic Regression, and Naive Bayes models.
    - Final model was able to predict changes with a 90% accuracy rate.
- Reduced manual data input time by developing a pricing function to create customer rate sheets as well as predict expected traffic changes based on customer targets.
- Analyzed trends in domestic and international call volume data to identify and mitigate fraud.

Other Experience

Trilogy Education Services
May 2019 - Nov 2019
Data Visualization Bootcamp - University of Central Florida

- Taught students in data cleaning, preparation, transformation, and visualization techniques using Python and Javascript.
- Introduced students to Machine Learning and Big Data concepts.
- Taught students SQL using Postgres, web scraping with Python, and introduced students to MongoDB.
- Assisted students in their efforts to query and create API's using Flask.

Kennesaw State University
Aug 2013 - May 2015
Undergraduate Research

- Conducted research in Graph Theory and presented results at several undergraduate research conferences.

United States Marine Corps Reserve
Sergeant

Nov 2006 - Nov 2012

- **Squad Leader** — Responsible for conducting annual performance reviews and ensuring my subordinates were up to date on required trainings; as well as cultivating high morale.
- **Supply Chain** — Responsible for maintaining and accounting for approximately $1.5 million in government equipment.

Education

Kennesaw State University - Kennesaw, GA
Masters of Science Applied Statistics

85% Complete

Kennesaw State University - Kennesaw, GA
Bachelor of Science Mathematics

Graduated 2014

Texas Tech University - Lubbock, TX
Studied Mechanical Engineering

2009 - 2011

Technologies Used

Python	matplotlib	D3.js
pandas	scikit-learn	Flask
Google Cloud Platform	Azure DevOps	Google Big Query
SQL Server	PostgreSQL	MongoDB