

# JAMES EUBANKS

## DATA SCIENTIST

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### Professional Experience

#### Workforce Logiq

*Enterprise Data Architect/Scientist*

Mar 2016 - Present

- 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

*Data Visualization Bootcamp - University of Central Florida*

May 2019 - Nov 2019

- 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**  
*Undergraduate Research*

Aug 2013 - May 2015

- 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