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SUMMARY

Recent masters in analytics graduate and former intern at John Deere with experience using advanced analytics to consult supply management on innovative proof of concepts looking for full-time data scientist positions available from January 2020.

CORE COMPETENCIES

- **Programming:** R, Scala, SQL, Spark, Python, C++, Solidity
- **Machine Learning:** Regression, Tree-Based Methods, Natural Language Processing, Neural Networks
- **Tools:** AWS Sagemaker, DataRobot, Databricks, ArcGIS, Tableau, Geth/Mist, Qlik, MATLAB, Git

EXPERIENCE

John Deere Moline, IL
Analytics Intern May 2019 – December 2019
By using Agile, leveraged advanced analytics to internally consult accounting and supply management on high-level proofs of concept including:

- Built an ensemble model in scala and sparklyr to predict supplier delinquency and used Tableau cloud dashboard for visualization.
- Worked with accounting and supply management to track and material price changes based on receipt data and commodity indices.
- Used linear programming optimization to determine the tire brands that get placed on new machines and used R Shiny as the API saving \$130k in tire costs a year.
- Worked with accounting to perform K-means clustering and anomaly detection on journal vouchers and used data bricks to make a weekly job to detect potential fraud.

Georgia State University Atlanta, GA
Graduate Research Assistant January 2019 – May 2019

- Performed topic modeling on 200k conference call transcripts and 150k corporate disclosures.

Georgia State University Atlanta, GA
Undergraduate Research Assistant August 2015 – May 2018

- Built a model of a biological neural network to simulate movement in cats using C++ for the computation and MATLAB to visualize a cat's muscular activity.

EDUCATION

Georgia State University, J. Mack Robinson College of Business Atlanta, GA
Master of Science in Analytics August 2018 -December 2019

Relevant Coursework:

Blockchain Business Disruption Optimization Machine Learning Big Data Analytics

Bootcamps: R programming R visualization Blockchain Tableau

Projects:

Georgia Aquarium Sprint Project

- Used topic modeling and other natural language processing (NLP) in python to analyze customer experience and maximize social media engagement.

UN child rights legal analytics project

- Used computer vision to scan UN reports on the legal rights of children and then used topic modeling to analyze the UN reports by country and by time.

Georgia State University, College of Arts and Sciences Atlanta, GA
Bachelor of Science in Mathematics (GPA: 3.48) August 2015 – May 2018

Relevant Coursework:

Linear Algebra Abstract Algebra Mathematical Statistics Real Analysis

Project: Binance Cryptocurrency LSTM trader project

CERTIFICATIONS AND SPECIALIZATIONS

- DataRobot Essentials Certification
- DeepLearning.ai Deep learning specialization on Coursera