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Education

Springboard
Data Science 2018

University of
Arkansas
M.S. Mathematics
2011

Emphasis on Topology,
Graph Theory, and
Networks

Arkansas State
University
B.S. Mathematics
2005

Skills

Data Science
Machine Learning
Supervised Learning
Unsupervised Learning
Predictive Algorithms
Data Analysis
Financial Analysis
Statistical Analysis
Clustering
Natural Language
Processing
Network Analysis
Web Scraping
Data Cleaning
Data Wrangling
Data Visualization
Support Vector Machines
Random Forests
Principle Component
Analysis
GitHub @lbjennings
Docker
Jupyter Notebooks
Bokeh
Matplotlib

Awards

Bronze Star Medal

LUCAS JENNINGS

DATA SCIENTIST

Summary

I've used a data centered approach to turn around a business territory, impact a battlefield campaign, and manage financial portfolios. I've implemented and presented data projects to clients, and senior stake holders. I enjoy programming and diving deep into the story that data tells using machine learning, predictive algorithms, and data visualizations to uncover and communicate insightful and beneficial opportunities.

Employment

United States Army

Chief Intelligence Officer

2016 to Current

Chief officer responsible for collecting, analyzing and distributing intelligence reports.

Established cross-functional teams to build data centric projects.

Union Pacific Railroad

Manager of Operations

2013 to 2016

Successfully turned the business operations around leading the region from the last to the top performing region by utilizing data driven analysis to target business improvements.

Morgan Stanley

Financial Advisor

2005 to 2008

Built robust portfolio investment strategies and financial reports for individual clients.

Routinely conducted statistical analysis and predictive algorithms on financial portfolios and markets.

Projects

Grocery Shopping Habit Analysis

2018

https://github.com/lbjennings/Springboard/Capstone_Project_1

A project to understand and predict customer purchasing habits using machine learning.

Algorithms include Support Vector Machine, Random Forest, and Single Vector Decomposition.

Improving the Canadian Interchange System

2016

Project Manager for a Union Pacific project to improve the interchange process between Canada and the United States. Project included time series analysis, network effects, capacity optimization, and statistical analysis.

Train Velocity

2015

Project Manager for a Union Pacific project to improve train velocity over the Wisconsin territory. Project included data collection improvement, time series analysis, and critical path analysis.

Counter IED Initiative

A data driven project to reduce the IED (improvised explosive device) threat in combat zones. Project utilizes machine learning, network analysis, graph theory, and predictive algorithms.

Mini Projects

2018

<https://github.com/lbjennings/Springboard/Mini-Projects>

Projects include SQL, Clustering, Network Analysis, Linear and Logistic Regression, Naive Bayes and Statistically Analysis.